

#### **Figure 9 - Project Schedule** Moline Street PCB Site Task Name Duration Start Finish Predecessors 2014 th Quarter 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter 1st Quarter Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb **Moline Street PCB Site** 339 days Tue 10/15/13 Fri 1/30/15 2 Planning & Stage I 189 days Tue 10/15/13 Fri 7/4/14 **Implementation** 3 Draft Work Plan 10 days Tue 10/15/13 Mon 10/28/13 Submit Draft Work Plan 4 0 days Mon 10/28/13 Mon 10/28/13 3 5 **EPA Review** Tue 10/29/13 10 days Mon 11/11/13 3 6 Negotiations & Approvals 58 days Tue 11/12/13 Thu 1/30/14 5 **AOC Effective Date** 0 days Thu 1/30/14 Thu 1/30/14 Prepare Revised Draft Work Thu 1/30/14 8 29 edays Fri 2/28/14 Plan 9 Submit Revised Draft Work 0 days Fri 2/28/14 Fri 2/28/14 10 Conduct Stage I Activities 24 days Mon 3/3/14 Thu 4/3/14 Local Jurisdictional Approval 20 days 11 Fri 4/4/14 10 Thu 5/1/14 & Coordination 12 Prepare Stage II Work Plan 25 days Fri 4/4/14 Thu 5/8/14 10 13 12 Submit Stage II Work Plan 0 days Thu 5/8/14 Thu 5/8/14 14 12FS-5 days Subcontractor Procurement 25 days Fri 5/2/14 Thu 6/5/14 15 EPA Review of Stage II Work 10 days Fri 5/9/14 Thu 5/22/14 13 Thu 5/22/14 16 EPA Approval of Stage II 0 days Thu 5/22/14 15 Work Plan 17 14 Subcontractor Scheduling 21 days Fri 6/6/14 Fri 7/4/14 18 Stage II Implementation 58 days Mon 7/7/14 Wed 9/24/14 19 Mon 7/7/14 Fri 7/18/14 11,12,17 Mobilize, Preparation, and 10 days Staging Demo Walls / Ceilings Fri 8/1/14 19 20 10 days Mon 7/21/14 21 Concrete Removal 5 days Mon 8/4/14 Fri 8/8/14 20 22 Soil Excavation & Sampling 10 days Mon 8/11/14 Fri 8/22/14 21 23 Haul Debris & Soil 22FF+5 days,21 15 days Mon 8/11/14 Fri 8/29/14 24 Confirm Excavation Extent Mon 8/25/14 Wed 8/27/14 22 3 days 25 Backfill & Compaction 24 5 days Thu 8/28/14 Wed 9/3/14 26 Concrete Placement 5 days Thu 9/4/14 Wed 9/10/14 25 27 Demob & Wipe Sampling 5 days Thu 9/11/14 Wed 9/17/14 26 28 Clean Building 27 5 days Thu 9/18/14 Wed 9/24/14 29 Wed 9/24/14 Wed 9/24/14 28 Site Activities Complete 0 days 30 **Removal Action Complete** 97 days Wed 9/17/14 Fri 1/30/15 Report 31 Prepare Draft 60 edays Wed 9/17/14 Sun 11/16/14 27 32 Submit Draft to EPA Sun 11/16/14 Sun 11/16/14 0 days 31 20 days Mon 11/17/14 Fri 12/12/14 33 **EPA Review** 31 34 33 Revise Final 20 days Mon 12/15/14 Fri 1/9/15 35 34 Submit Final to EPA 0 days Fri 1/9/15 Fri 1/9/15 36 EPA Approval 0 days Fri 1/30/15 Fri 1/30/15 35FS+15 days Task Milestone • Project Summary External Milestone **Progress** Project: Moline Street PCB Site Date: Wed 4/23/14 Split External Tasks 4 Summary Deadline Page 1

STAGE I SUMMARY T	ECHNICAL MEMORANDUM
	Moline Street PCR Site

Attachment A
Asbestos Buil ding Inspection Report - 2/24/2014

February 28, 2014

**URS Corporation / Ms. Sarah Lave** 

HERRON™ Project No.: 0104148

Job No.: Verbal

Location: Buildings B, C, D, E, F, G, H, and I, 3555 Moline St., Aurora, CO 80010

Dates of Service: February 24-28, 2014

Services Requested: Environmental Consultation/Asbestos Services

# Scope of Work

Per your request, and under the guidelines defined, HERRON<sub>TM</sub> Enterprises USA, Inc. (HERRON<sub>TM</sub>) has concluded the Environmental Consultation at the aforementioned property.

HERRON™ was contracted by the Client to perform:

- 1. Comprehensive Asbestos Building Inspection Buildings B, C, and F
  - a. Comprehensive Asbestos Building Inspection prior to a demolition
- 2. Limited Asbestos Building Inspection Buildings (Floors only) Buildings D, E, G, H, and I
  - a. Limited Asbestos Building Inspection prior to a renovation (concrete slab removal only)
    - i. It was expressly advised that although this is a Limited Asbestos Building Inspection, it is comprehensive to the aforementioned materials. Only materials impacted requiring response actions have been instructed and authorized by the Client. Under the protocol of limited sampling whereas not 'all' suspect materials outside of the response action areas were sampled, under local, state and/or federal regulations, including but not limited to AQCC Regulation 8 and OSHA 29 CFR 1926.1101, a certain protocol for sampling, number of samples obtained, and assessment is required.
  - a. Non-destructive bulk sampling;
  - b. 1 Day Turnaround PLM Analyses;

HERRON™ was subsequently contracted by the Client, to perform:

1. Not applicable.

#### Closure

Information and data which has been generated as a results of this Environmental Consultation will remain confidential and will not be released to any party without authorization from Client(s) (see authorized distribution).

HERRON™ Enterprises USA, Inc. appreciates the confidence which has been demonstrated by your continued patronage, and look forward to assisting you and your group should you have future needs of Environmental Consultation.

Sincerely,

Billie J. Herron-Lusk Project Manager

Bothefler

HERRON<sub>TM</sub> Enterprises USA, Inc.

Certified Asbestos Building Inspector(s): Billie J. Herron-Lusk (Project Manager), Michael W. Herron, Sr.

### Assumptions, and Limitations

This Environmental Consultation is applicable in whole, not in part, to the entire contents of the document.

HERRON<sub>TM</sub> and this Environmental Consultation make no representation or assumptions as to past and/or future conditions/occurrences of the specific area(s) inspected.

The results, conclusions and/or recommendations expressed in this Environmental Consultation are based solely on the conditions which were observed at the time of this Environmental Consultation.

HERRON<sub>TM</sub> inspection incorporated non-destructive sampling techniques and visual inspections in areas which were visible/accessible. Conditions and/or materials which were not inspected and/or commented on may very well differ from those which were inspected and/or commented on.

HERRON™ selected sample locations and frequency of sampling based on observations, your requirements and/or the assumption that like materials in the same area are homogeneous.

HERRON<sub>TM</sub> has specifically designed this Environmental Consultation for Client use in the location and identity of Asbestos Containing Material (ACM), and under no circumstances is this Environmental Consultation to be copied, used as a bidding tool and/or used for the development of an Asbestos Abatement Specification document without the express written permission of an executive officer of HERRON<sub>TM</sub>.

HERRON™ is not responsible/liable for any opinions, conclusions and/or recommendations as provided by others based on any means presented in this Environmental Consultation.

With use of Environmental Consultation, and/or use of any services offered by HERRON<sub>TM</sub>, Client(s) agrees that HERRON<sub>TM</sub> has been given the authority by the Owner(s) of a property to enter the aforementioned premises, perform the services, utilize any and all floor plans, blue prints, etc., and agrees to indemnify, hold harmless, and defend HERRON<sub>TM</sub>, its Officers, Employees, Assigns, etc. for any and all claims, costs or damages that may result from services contracted, etc.

# Building B Conclusion

Based on the information generated by this report, we conclude that the aforementioned property **does not contain Asbestos** Containing Material(s) (ACM) for purposes of a complete demolition by wrecking (recycling prohibited).

In order to comply with local, state, and/or federal regulations, the following ACM, or assumed ACM will have to be removed if they will be affected by the demolition:

None detected.

Suspect materials which were sampled and determined to contain <=1.0% Asbestos (refer to Attachments), by PLM and/or PLM Point Count analysis are:

White Sprayed on Insulation, Surfacing Material (S), Friable, >5000 Square Feet, Good Condition (Current Condition), throughout Interior Ceiling and Walls, 7 Sample(s),

022414-1A-B, Ceiling, 25' from N Wall, 10' from E Wall, Photo 083231

022414-1B-B, Ceiling, 10' from S Wall, 15' from W Wall, Photo 084922

022414-1C-B, Ceiling, 35' from N Wall, 10' from W Wall, Photo 083509

022414-1D-B, Ceiling, 15' from S Wall, 5' from W Wall, Photo 084205

022414-1E-B, Ceiling, 30' from S Wall, 1' from W Wall, Photo 084510

022414-1F-B, E Wall, 20' from N Wall, 6' from Floor, Photo 083728

022414-1G-B, S Wall, 20' from E Wall, 5' from Floor, Photo 083748

White Paint on Concrete Walls, Surfacing Material (S), Non-Friable, <5,000 Square Feet, Good Condition (Current Condition), throughout Interior Walls, 5 Sample(s),

022414-2A-B, E Wall, 15' from N Wall, 4' from Floor, Photo 092926

022414-2B-B, W Wall, 10' from S Wall, 15' from Floor, Photo 085124

022414-2C-B, W Wall, 30' from S Wall, 20' from Floor, Photo 092941

022414-2D-B, E Wall, 30' from N Wall, 5' from Floor, Photo 084506

022414-2E-B, E Wall, 25' from S Wall, 6' from Floor, Photo 092954

White Unfinished Drywall Walls, Miscellaneous Material (S), Non-Friable, <160 Square Feet, Good Condition (Current Condition), throughout Interior Walls, 1 Sample(s),

022414-3A-B, E Wall, 15' from N Wall, 4' from Floor, Photo 085453

Suspect materials which were visually inspected and determined to be Non-ACM materials at the time of the inspection were:

Fiberglass

Wood

Glass

Metal

Plastic

Concrete

Etc.

Suspect materials which were not within the Scope of Work at the time of the inspection were:

- 1. All' EPA suspect Materials not requested.
- 2. 'Any' confirmed or suspect ACM which may have been concealed at the time of the inspection.

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HERRON™ Project No. 0104148 Asbestos Services

3. During a normal inspection, and more specifically when non-destructive sampling techniques are employed, it is not within the scope of the inspection to remove surface materials to inspect or quantify the structures and/or materials which may be under the surface, i.e., within or under concealed areas such as under carpet, under sub-floors, within chases, walls, crawlspaces, tunnels, etc., to remove suspect Asbestos Containing Material(s), to move and/or sample electrical wiring which has not been 'locked out', etc. All said areas are to be assumed as containing >1.0% Asbestos, until such a time that these areas are made accessible, and/or rendered safe so that sampling can be performed. Prior to renovations or demolition of these areas, it is recommended that a more destructive protocol be utilized in order to make these determinations:

Concealed Materials -

Based on the nature of the Asbestos which could be concealed, it is recommended:

Extensive 'destructive' sampling and quantification of these materials throughout the property in order to determine if concealed locations contain an Asbestos or if isolated to a specific era of remodeling;

or

If extensive 'destructive' sampling and quantification of these materials is not possible, and presumptions that concealed locations are potentially Asbestos, then it is recommended that a site specific Management Plan be developed and implemented which could effectively manage the future renovations of the property. A Management Plan can be designed to review specific locations of renovation locations, i.e., destructive sampling and quantification through concealed chases, and under carpeting prior to disturbance of these areas by the Owner or Contractors which will assist in the recognition and response to potential health risks from concealed Asbestos.

- 4. HERRON<sub>TM</sub> recommends extreme caution during a renovation or demolition of these areas in the event that an area which was not suspect, visible, accessible and/or specified during the inspection, is discovered to contain or is suspected of containing an Asbestos Containing Material (ACM). Under local, state and/or federal regulations, should such an event occur, the Client and or Contractor is required to cease operations which may effect this (these) material(s) until an inspection is concluded and a determination is made by an AHERA and State Certified Asbestos Building Inspector.
- 5. Disturbance of these areas could create a potential health hazard.

#### Recommendations

The Client has advised that **Building B** is a **complete demolition by wrecking (recycling prohibited).** 

As Regulated Asbestos Containing Materials were not discovered during this inspection, further action is not required.

Should a renovation or demolition occur which could affect concealed locations that are potentially Asbestos, HERRON<sub>TM</sub> would recommend as a minimum Plan of Action (where required):

- 1. Comprehensive Asbestos Building Inspection: a continuous process in areas which may not have been accessible, or for materials which may have been concealed in previous inspections, may be required, i.e., review and usage of previous Asbestos Inspection(s), identification of suspect materials, friable and non-friable, approximate quantities, discovery sampling in areas which will be affected by the renovation/demolition in order to determine the presence of Asbestos Containing Materials, etc.
- 2. Asbestos Abatement Project Design (Plan of Action): coordinated with Owner should be developed in order to direct exact areas and quantities of removal for renovation or demolition purposes.

- 3. Asbestos Abatement (to facilitate demolition): coordinated with Client, should the material be required to be removed prior to renovation or demolition activity:
- 4. Asbestos Air Monitoring: of project on behalf of Client, i.e., compliance to local, state, and/or federal regulations (as applicable), i.e., compliance, visual inspections, monitoring, air/dust sampling, etc.
- 5. Demolition Notification: is required, i.e., prior to demolition (or demolition of a load bearing wall), the Colorado Department of Health and Environment requires that the building(s) be certified by the State Certified Asbestos Building Inspector as:
  - a. not having any regulated asbestos existing anywhere in the building(s);
  - b. this document serves as a certified notification to the owner/operator of the facility and the demolition contractor;
    - i. the non-friable asbestos-containing building materials, i.e., window glazing and caulking, tar impregnated asphaltic roofing materials, floor tiles, mastics, etc. will be allowed to be demolished with the building provided that the proposed building demolition methods do not include explosives, sawing, grinding, abrading or blasting that will render the materials friable;
    - ii. any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition.
  - c. Once the Demolition Notification has been endorsed, the Owner/Contractor is to submit an original to the Colorado Department of Health and Environment, which then undergoes a ten (10) working day notification process, after which a Demolition Approval will be issued, to be posted at the project site during operations.
  - d. After receipt of the CDPHE demolition approval and Building Department demolition permit, renovate or demolish the areas of the Building(s) inspected (recycling prohibited), in accordance with local, state, and/or federal regulations as indicated (only).
  - e. The Owner has been advised of the soil regulations 6 CCR 1007-2, the Colorado Solid Waste Regulations-Asbestos and Asbestos Contaminated Soil. The demolition contractor is required to remove 'all' demolition building material debris from the project site. This would include all 'small' pieces of the structure.

# Building C Conclusion

Based on the information generated by this report, we conclude that the aforementioned property **does not contain Asbestos** Containing Material(s) (ACM) for purposes of a complete demolition by wrecking (recycling prohibited).

In order to comply with local, state, and/or federal regulations, the following ACM, or assumed ACM will have to be removed if they will be affected by the renovation:

None detected.

Suspect materials which were sampled and determined to contain <=1.0% Asbestos (refer to Attachments), by PLM and/or PLM Point Count analysis are:

Green Paint on Concrete Walls, Surfacing Material (S), Friable, <1000 Square Feet, Good Condition (Current Condition), throughout Interior Walls, 3 Sample(s),

022414-1A-C, S Wall, 3' from W Wall, 2' from Floor, Photo 085501

022414-1B-C, S Wall, 14' from E Wall, 1' from Floor, Photo 085525

022414-1C-C, S Wall, 9' from E Wall, 2' from Floor, Photo 085536

Indeterminate Flooring on Concrete Substrate, Surfacing Material (S), Non-Friable, <160 Square Feet, Good Condition (Current Condition), throughout Interior, 1 Sample(s),

022414-2A-C, On Floor, S Wall, 10' from E Wall, Photo 085544

White Unfinished Drywall Walls, Miscellaneous Material (M), Non-Friable, <160 Square Feet, Good Condition (Current Condition), throughout North Wall, 1 Sample(s),

022414-3A-C, N Wall, 12' from W Wall, 3' from Floor, Photo 085601

Suspect materials which were visually inspected and determined to be Non-ACM materials at the time of the inspection were:

**Fiberglass** 

Wood

Glass

Metal

**Plastic** 

Concrete

Etc.

Suspect materials which were not within the Scope of Work at the time of the inspection were:

- 1. All' EPA suspect Materials not requested.
- 2. 'Any' confirmed or suspect ACM which may have been concealed at the time of the inspection.
- 3. During a normal inspection, and more specifically when non-destructive sampling techniques are employed, it is not within the scope of the inspection to remove surface materials to inspect or quantify the structures and/or materials which may be under the surface, i.e., within or under concealed areas such as under carpet, under sub-floors, within chases, walls, crawlspaces, tunnels, etc., to remove suspect Asbestos Containing Material(s), to move and/or sample electrical wiring which has not been 'locked out', etc. All said areas are to be assumed as containing >1.0% Asbestos, until such a time that these areas are made accessible, and/or rendered safe so that sampling can be

performed. Prior to renovations or demolition of these areas, it is recommended that a more destructive protocol be utilized in order to make these determinations:

Concealed Materials -

Based on the nature of the Asbestos which could be concealed, it is recommended:

Extensive 'destructive' sampling and quantification of these materials throughout the property in order to determine if concealed locations contain an Asbestos or if isolated to a specific era of remodeling;

or

If extensive 'destructive' sampling and quantification of these materials is not possible, and presumptions that concealed locations are potentially Asbestos, then it is recommended that a site specific Management Plan be developed and implemented which could effectively manage the future renovations of the property. A Management Plan can be designed to review specific locations of renovation locations, i.e., destructive sampling and quantification through concealed chases, and under carpeting prior to disturbance of these areas by the Owner or Contractors which will assist in the recognition and response to potential health risks from concealed Asbestos.

- 4. HERRON™ recommends extreme caution during a renovation or demolition of these areas in the event that an area which was not suspect, visible, accessible and/or specified during the inspection, is discovered to contain or is suspected of containing an Asbestos Containing Material (ACM). Under local, state and/or federal regulations, should such an event occur, the Client and or Contractor is required to cease operations which may effect this (these) material(s) until an inspection is concluded and a determination is made by an AHERA and State Certified Asbestos Building Inspector.
- 5. Disturbance of these areas could create a potential health hazard.

#### Recommendations

The Client has advised that **Building C** is a **complete demolition by wrecking (recycling prohibited).** 

As Regulated Asbestos Containing Materials were not discovered during this inspection, further action is not required.

Should a renovation or demolition occur which could affect concealed locations that are potentially Asbestos, HERRON<sub>TM</sub> would recommend as a minimum Plan of Action (where required):

- Comprehensive Asbestos Building Inspection: a continuous process in areas which may not have been accessible, or for materials which may have been concealed in previous inspections, may be required, i.e., review and usage of previous Asbestos Inspection(s), identification of suspect materials, friable and non-friable, approximate quantities, discovery sampling in areas which will be affected by the renovation/demolition in order to determine the presence of Asbestos Containing Materials, etc.
- 2. Asbestos Abatement Project Design (Plan of Action): coordinated with Owner should be developed in order to direct exact areas and quantities of removal for renovation or demolition purposes.
- 3. Asbestos Abatement (to facilitate demolition): coordinated with Client, should the material be required to be removed prior to renovation or demolition activity:
- 4. Asbestos Air Monitoring: of project on behalf of Client, i.e., compliance to local, state, and/or federal regulations (as applicable), i.e., compliance, visual inspections, monitoring, air/dust sampling, etc.

- 5. Demolition Notification: is required, i.e., prior to demolition (or demolition of a load bearing wall), the Colorado Department of Health and Environment requires that the building(s) be certified by the State Certified Asbestos Building Inspector as:
  - a. not having any regulated asbestos existing anywhere in the building(s);
  - b. this document serves as a certified notification to the owner/operator of the facility and the demolition contractor;
    - i. the non-friable asbestos-containing building materials, i.e., window glazing and caulking, tar impregnated asphaltic roofing materials, floor tiles, mastics, etc. will be allowed to be demolished with the building provided that the proposed building demolition methods do not include explosives, sawing, grinding, abrading or blasting that will render the materials friable;
    - ii. any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition.
  - c. Once the Demolition Notification has been endorsed, the Owner/Contractor is to submit an original to the Colorado Department of Health and Environment, which then undergoes a ten (10) working day notification process, after which a Demolition Approval will be issued, to be posted at the project site during operations.
  - d. After receipt of the CDPHE demolition approval and Building Department demolition permit, renovate or demolish the areas of the Building(s) inspected (recycling prohibited), in accordance with local, state, and/or federal regulations as indicated (only).
  - e. The Owner has been advised of the soil regulations 6 CCR 1007-2, the Colorado Solid Waste Regulations-Asbestos and Asbestos Contaminated Soil. The demolition contractor is required to remove 'all' demolition building material debris from the project site. This would include all 'small' pieces of the structure.

# Building D Conclusion

Based on the information generated by this report, we conclude that the aforementioned property **does not contain Asbestos Containing Material(s) (ACM)** for purposes of a renovation.

In order to comply with local, state, and/or federal regulations, the following ACM, or assumed ACM will have to be removed if they will be affected by the renovation:

None detected.

Suspect materials which were sampled and determined to contain <=1.0% Asbestos (refer to Attachments), by PLM and/or PLM Point Count analysis are:

Not applicable.

Suspect materials which were visually inspected and determined to be Non-ACM materials at the time of the inspection were:

Concrete Floor - no EPA Suspect Materials located on the floor.

**Fiberglass** 

Wood

Glass

Metal

Plastic

riasuc

Concrete

Etc.

Suspect materials which were not within the Scope of Work at the time of the inspection were:

- 1. All' EPA suspect Materials not requested:
- 2. 'Any' confirmed or suspect ACM which may have been concealed at the time of the inspection.
- 3. During a normal inspection, and more specifically when non-destructive sampling techniques are employed, it is not within the scope of the inspection to remove surface materials to inspect or quantify the structures and/or materials which may be under the surface, i.e., within or under concealed areas such as under carpet, under sub-floors, within chases, walls, crawlspaces, tunnels, etc., to remove suspect Asbestos Containing Material(s), to move and/or sample electrical wiring which has not been 'locked out', etc. All said areas are to be assumed as containing >1.0% Asbestos, until such a time that these areas are made accessible, and/or rendered safe so that sampling can be performed. Prior to renovations or demolition of these areas, it is recommended that a more destructive protocol be utilized in order to make these determinations:

Concealed Materials -

Based on the nature of the Asbestos which could be concealed, it is recommended:

Extensive 'destructive' sampling and quantification of these materials throughout the property in order to determine if concealed locations contain an Asbestos or if isolated to a specific era of remodeling;

or

If extensive 'destructive' sampling and quantification of these materials is not possible, and presumptions that concealed locations are potentially Asbestos, then it is recommended that a site specific Management Plan be developed and implemented which could effectively manage the future renovations of the property. A Management Plan can be designed to review specific locations of renovation locations, i.e., destructive sampling and quantification through concealed chases, and under carpeting prior to disturbance of these areas by the Owner or Contractors which will assist in the recognition and response to potential health risks from concealed Asbestos.

- 4. HERRON™ recommends extreme caution during a renovation or demolition of these areas in the event that an area which was not suspect, visible, accessible and/or specified during the inspection, is discovered to contain or is suspected of containing an Asbestos Containing Material (ACM). Under local, state and/or federal regulations, should such an event occur, the Client and or Contractor is required to cease operations which may effect this (these) material(s) until an inspection is concluded and a determination is made by an AHERA and State Certified Asbestos Building Inspector.
- 5. Disturbance of these areas could create a potential health hazard.

#### Recommendations

The Client has advised that **Building D** is a **renovation with disturbance of the concrete slab only.** 

As Regulated Asbestos Containing Materials were not discovered during this inspection, further action is not required.

HERRON™ would recommend as a minimum Plan of Action:

1. Management Plan (not applicable should any Asbestos Spill Response Actions be required): a site specific Management Plan to include an Operations and Maintenance Program (O&M) which could effectively manage the material, dependent on the use of the structure, occupants, etc.

Should a renovation or demolition occur which could affect concealed locations that are potentially Asbestos, HERRON<sup>TM</sup> would recommend as a minimum Plan of Action (where required):

- 1. Comprehensive Asbestos Building Inspection: a continuous process in areas which may not have been accessible, or for materials which may have been concealed in previous inspections, may be required, i.e., review and usage of previous Asbestos Inspection(s), identification of suspect materials, friable and non-friable, approximate quantities, discovery sampling in areas which will be affected by the renovation/demolition in order to determine the presence of Asbestos Containing Materials, etc.
- 2. Asbestos Abatement Project Design (Plan of Action): coordinated with Owner should be developed in order to direct exact areas and quantities of removal for renovation or demolition purposes.
- 3. Asbestos Abatement (to facilitate demolition): coordinated with Client, should the material be required to be removed prior to renovation or demolition activity:
- 4. Asbestos Air Monitoring: of project on behalf of Client, i.e., compliance to local, state, and/or federal regulations (as applicable), i.e., compliance, visual inspections, monitoring, air/dust sampling, etc.
- 5. Demolition Notification: is required, i.e., prior to demolition (or demolition of a load bearing wall), the Colorado Department of Health and Environment requires that the building(s) be certified by the State Certified Asbestos Building Inspector as:
  - a. not having any regulated asbestos existing anywhere in the building(s);

- b. this document serves as a certified notification to the owner/operator of the facility and the demolition contractor;
  - i. the non-friable asbestos-containing building materials, i.e., window glazing and caulking, tar impregnated asphaltic roofing materials, floor tiles, mastics, etc. will be allowed to be demolished with the building provided that the proposed building demolition methods do not include explosives, sawing, grinding, abrading or blasting that will render the materials friable;
  - ii. any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition.
- c. Once the Demolition Notification has been endorsed, the Owner/Contractor is to submit an original to the Colorado Department of Health and Environment, which then undergoes a ten (10) working day notification process, after which a Demolition Approval will be issued, to be posted at the project site during operations.
- d. After receipt of the CDPHE demolition approval and Building Department demolition permit, renovate or demolish the areas of the Building(s) inspected (recycling prohibited), in accordance with local, state, and/or federal regulations as indicated (only).
- e. The Owner has been advised of the soil regulations 6 CCR 1007-2, the Colorado Solid Waste Regulations-Asbestos and Asbestos Contaminated Soil. The demolition contractor is required to remove 'all' demolition building material debris from the project site. This would include all 'small' pieces of the structure.

# Building E Conclusion

Based on the information generated by this report, we conclude that the aforementioned property **does not contain Asbestos Containing Material(s) (ACM)** for purposes of a renovation.

In order to comply with local, state, and/or federal regulations, the following ACM, or assumed ACM will have to be removed if they will be affected by the renovation:

None detected.

Suspect materials which were visually inspected and determined to be Non-ACM materials at the time of the inspection were:

# Concrete Floor - no EPA Suspect Materials located on the floor.

**Fiberglass** 

Wood

Glass

Metal

Plastic

Concrete

Etc.

Suspect materials which were not within the Scope of Work at the time of the inspection were:

- 1. All' EPA suspect Materials not requested:
- 2. 'Any' confirmed or suspect ACM which may have been concealed at the time of the inspection.
- 3. During a normal inspection, and more specifically when non-destructive sampling techniques are employed, it is not within the scope of the inspection to remove surface materials to inspect or quantify the structures and/or materials which may be under the surface, i.e., within or under concealed areas such as under carpet, under sub-floors, within chases, walls, crawlspaces, tunnels, etc., to remove suspect Asbestos Containing Material(s), to move and/or sample electrical wiring which has not been 'locked out', etc. All said areas are to be assumed as containing >1.0% Asbestos, until such a time that these areas are made accessible, and/or rendered safe so that sampling can be performed. Prior to renovations or demolition of these areas, it is recommended that a more destructive protocol be utilized in order to make these determinations:

Concealed Materials -

Based on the nature of the Asbestos which could be concealed, it is recommended:

Extensive 'destructive' sampling and quantification of these materials throughout the property in order to determine if concealed locations contain an Asbestos or if isolated to a specific era of remodeling;

or

If extensive 'destructive' sampling and quantification of these materials is not possible, and presumptions that concealed locations are potentially Asbestos, then it is recommended that a site specific Management Plan be developed and implemented which could effectively manage the future renovations of the property. A Management Plan can be designed to review specific locations of renovation locations, i.e., destructive sampling and quantification through concealed chases, and under carpeting prior to disturbance of these

areas by the Owner or Contractors which will assist in the recognition and response to potential health risks from concealed Asbestos.

- 4. HERRON™ recommends extreme caution during a renovation or demolition of these areas in the event that an area which was not suspect, visible, accessible and/or specified during the inspection, is discovered to contain or is suspected of containing an Asbestos Containing Material (ACM). Under local, state and/or federal regulations, should such an event occur, the Client and or Contractor is required to cease operations which may effect this (these) material(s) until an inspection is concluded and a determination is made by an AHERA and State Certified Asbestos Building Inspector.
- 5. Disturbance of these areas could create a potential health hazard.

#### Recommendations

The Client has advised that **Building E** is a **renovation with disturbance of the concrete slab only.** 

As Regulated Asbestos Containing Materials were not discovered during this inspection, further action is not required.

HERRON™ would recommend as a minimum Plan of Action:

1. Management Plan (not applicable should any Asbestos Spill Response Actions be required): a site specific Management Plan to include an Operations and Maintenance Program (O&M) which could effectively manage the material, dependent on the use of the structure, occupants, etc.

Should a renovation or demolition occur which could affect concealed locations that are potentially Asbestos, HERRON<sub>TM</sub> would recommend as a minimum Plan of Action (where required):

- 1. Comprehensive Asbestos Building Inspection: a continuous process in areas which may not have been accessible, or for materials which may have been concealed in previous inspections, may be required, i.e., review and usage of previous Asbestos Inspection(s), identification of suspect materials, friable and non-friable, approximate quantities, discovery sampling in areas which will be affected by the renovation/demolition in order to determine the presence of Asbestos Containing Materials, etc.
- 2. Asbestos Abatement Project Design (Plan of Action): coordinated with Owner should be developed in order to direct exact areas and quantities of removal for renovation or demolition purposes.
- 3. Asbestos Abatement (to facilitate demolition): coordinated with Client, should the material be required to be removed prior to renovation or demolition activity:
- 4. Asbestos Air Monitoring: of project on behalf of Client, i.e., compliance to local, state, and/or federal regulations (as applicable), i.e., compliance, visual inspections, monitoring, air/dust sampling, etc.
- 5. Demolition Notification: is required, i.e., prior to demolition (or demolition of a load bearing wall), the Colorado Department of Health and Environment requires that the building(s) be certified by the State Certified Asbestos Building Inspector as:
  - a. not having any regulated asbestos existing anywhere in the building(s);
  - b. this document serves as a certified notification to the owner/operator of the facility and the demolition contractor;
    - i. the non-friable asbestos-containing building materials, i.e., window glazing and caulking, tar

impregnated asphaltic roofing materials, floor tiles, mastics, etc. will be allowed to be demolished with the building provided that the proposed building demolition methods do not include explosives, sawing, grinding, abrading or blasting that will render the materials friable;

- ii. any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition.
- c. Once the Demolition Notification has been endorsed, the Owner/Contractor is to submit an original to the Colorado Department of Health and Environment, which then undergoes a ten (10) working day notification process, after which a Demolition Approval will be issued, to be posted at the project site during operations.
- d. After receipt of the CDPHE demolition approval and Building Department demolition permit, renovate or demolish the areas of the Building(s) inspected (recycling prohibited), in accordance with local, state, and/or federal regulations as indicated (only).
- e. The Owner has been advised of the soil regulations 6 CCR 1007-2, the Colorado Solid Waste Regulations-Asbestos and Asbestos Contaminated Soil. The demolition contractor is required to remove 'all' demolition building material debris from the project site. This would include all 'small' pieces of the structure.

# Building F Conclusion

Based on the information generated by this report, we conclude that the aforementioned property **does not contain Asbestos** Containing Material(s) (ACM) for purposes of a complete demolition by wrecking (recycling prohibited).

In order to comply with local, state, and/or federal regulations, the following ACM, or assumed ACM will have to be removed if they will be affected by the renovation:

None detected.

Suspect materials which were sampled and determined to contain <=1.0% Asbestos (refer to Attachments), by PLM and/or PLM Point Count analysis are:

White Sprayed on Insulation, Surfacing Material (S), Friable, >5000 Square Feet, Good Condition (Current Condition), throughout Surface Interior Ceiling and Walls, 7 Sample(s),

022414-1A-F, Ceiling, 25' from W Wall, 5' from S Wall, Photo 090516

022414-1B-F, Ceiling, 25' from E Wall, 15' from N Wall, Photo 091923

022414-1C-F, E Wall, 15' from N Wall, 15' from Floor, Photo 091927

022414-1D-F, Ceiling, 35' from W Wall, 10' from S Wall, Photo 090911

022414-1E-F, S Wall, 30' from W Wall, 20' from Floor, Photo 090907

022414-1F-F, S Wall, 20' from E Wall, 15' from Floor, Photo 090520

022414-1G-F, N Wall, 20' from E Wall, 12' from Floor, Photo 091931

White Unfinished Drywall Walls, Miscellaneous Material (M), Non-Friable, <160 Square Feet, Good Condition (Current Condition), throughout Surface of North Wall, 1 Sample(s),

022414-2A-F, N Wall, 16' from S Wall, 4' from Floor, Photo 092444

Suspect materials which were visually inspected and determined to be Non-ACM materials at the time of the inspection were:

Concrete

Fiberglass

Wood

Glass

Metal

Plastic

Concrete

Etc.

Suspect materials which were not within the Scope of Work at the time of the inspection were:

- 1. All' EPA suspect Materials not requested:
- 2. 'Any' confirmed or suspect ACM which may have been concealed at the time of the inspection.
- 3. During a normal inspection, and more specifically when non-destructive sampling techniques are employed, it is not within the scope of the inspection to remove surface materials to inspect or quantify the structures and/or materials which may be under the surface, i.e., within or under concealed areas such as under carpet, under sub-floors, within chases, walls, crawlspaces, tunnels, etc., to remove suspect Asbestos Containing Material(s), to move and/or sample electrical wiring which has not been 'locked out', etc. All said areas are to be assumed as containing >1.0% Asbestos, until such a time that these areas are made accessible, and/or rendered safe so that sampling can be

performed. Prior to renovations or demolition of these areas, it is recommended that a more destructive protocol be utilized in order to make these determinations:

Concealed Materials -

Based on the nature of the Asbestos which could be concealed, it is recommended:

Extensive 'destructive' sampling and quantification of these materials throughout the property in order to determine if concealed locations contain an Asbestos or if isolated to a specific era of remodeling;

or

If extensive 'destructive' sampling and quantification of these materials is not possible, and presumptions that concealed locations are potentially Asbestos, then it is recommended that a site specific Management Plan be developed and implemented which could effectively manage the future renovations of the property. A Management Plan can be designed to review specific locations of renovation locations, i.e., destructive sampling and quantification through concealed chases, and under carpeting prior to disturbance of these areas by the Owner or Contractors which will assist in the recognition and response to potential health risks from concealed Asbestos.

- 4. HERRON™ recommends extreme caution during a renovation or demolition of these areas in the event that an area which was not suspect, visible, accessible and/or specified during the inspection, is discovered to contain or is suspected of containing an Asbestos Containing Material (ACM). Under local, state and/or federal regulations, should such an event occur, the Client and or Contractor is required to cease operations which may effect this (these) material(s) until an inspection is concluded and a determination is made by an AHERA and State Certified Asbestos Building Inspector.
- 5. Disturbance of these areas could create a potential health hazard.

#### Recommendations

The Client has advised that **Building F** is a **complete demolition by wrecking (recycling prohibited).** 

As Regulated Asbestos Containing Materials were not discovered during this inspection, further action is not required.

Should a renovation or demolition occur which could affect concealed locations that are potentially Asbestos, HERRON<sub>TM</sub> would recommend as a minimum Plan of Action (where required):

- 1. Comprehensive Asbestos Building Inspection: a continuous process in areas which may not have been accessible, or for materials which may have been concealed in previous inspections, may be required, i.e., review and usage of previous Asbestos Inspection(s), identification of suspect materials, friable and non-friable, approximate quantities, discovery sampling in areas which will be affected by the renovation/demolition in order to determine the presence of Asbestos Containing Materials, etc.
- 2. Asbestos Abatement Project Design (Plan of Action): coordinated with Owner should be developed in order to direct exact areas and quantities of removal for renovation or demolition purposes.
- 3. Asbestos Abatement (to facilitate demolition): coordinated with Client, should the material be required to be removed prior to renovation or demolition activity:
- 4. Asbestos Air Monitoring: of project on behalf of Client, i.e., compliance to local, state, and/or federal regulations (as applicable), i.e., compliance, visual inspections, monitoring, air/dust sampling, etc.

- 5. Demolition Notification: is required, i.e., prior to demolition (or demolition of a load bearing wall), the Colorado Department of Health and Environment requires that the building(s) be certified by the State Certified Asbestos Building Inspector as:
  - a. not having any regulated asbestos existing anywhere in the building(s);
  - b. this document serves as a certified notification to the owner/operator of the facility and the demolition contractor:
    - i. the non-friable asbestos-containing building materials, i.e., window glazing and caulking, tar impregnated asphaltic roofing materials, floor tiles, mastics, etc. will be allowed to be demolished with the building provided that the proposed building demolition methods do not include explosives, sawing, grinding, abrading or blasting that will render the materials friable;
    - ii. any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition.
  - c. Once the Demolition Notification has been endorsed, the Owner/Contractor is to submit an original to the Colorado Department of Health and Environment, which then undergoes a ten (10) working day notification process, after which a Demolition Approval will be issued, to be posted at the project site during operations.
  - d. After receipt of the CDPHE demolition approval and Building Department demolition permit, renovate or demolish the areas of the Building(s) inspected (recycling prohibited), in accordance with local, state, and/or federal regulations as indicated (only).
  - e. The Owner has been advised of the soil regulations 6 CCR 1007-2, the Colorado Solid Waste Regulations-Asbestos and Asbestos Contaminated Soil. The demolition contractor is required to remove 'all' demolition building material debris from the project site. This would include all 'small' pieces of the structure.

# **Building G Conclusion**

Based on the information generated by this report, we conclude that the aforementioned property **does contain Asbestos Containing Material(s)** (ACM) for purposes of a renovation.

Sample No.	Homogeneous Material Description	Approxi- mate Quantity	AHERA Rating	Asbestos Laboratory Results	Layer/ Physical Description
	Black 12X12" Floor Tile on Concrete, Miscellaneous Material (M), Non-Friable, Good Condition (Current Condition), throughout Interior	>160 FT <sup>2</sup>	6		
022414-1A- G	On Floor in Break Room, 3' from N Wall, 1' from W Wall, Photo 095701, Sample 1 of 3			ND ND	A: Yellow adhesive B: White tile
022414-1B- G	On Floor in Hall, 2' from N Wall, 2' from E Wall, Photo 095709, Sample 2 of 3			ND 2.0% C	A: Black mastic B: Off white/green tile
022414-1C- G	On Floor in Women's Restroom, 5' from E Wall, 3' from S Wall, Photo 095719, Sample 3 of 3			ND 2.0% C	A: Black mastic B: Off white/green tile

<sup>&</sup>lt;sup>1</sup>Quantification may not be within the scope of this inspection. <sup>2</sup>AHERA Rating based on current usage, however, may change dependent on the use of the property.

AHERA RATINGS						
Rating	Surfacing Material	TSI	Miscellaneous Material			
1		Damaged or Significantly Damaged				
2	Damaged					
3	Significantly Damaged					
4			Damaged or Significantly Damaged			
5	Good Condition with Potential for	Good Condition with Potential for	Good Condition with Potential for			
	Damage	Damage	Damage			
6	Good Condition with Potential for	Good Condition with Potential for	Good Condition with Potential for			
	Significant Damage	Significant Damage	Significant Damage			
7	Good Condition with Low Potential	Good Condition with Low Potential	Good Condition with Low Potential			

Asbestos		
Forms		
C = Chrysotile		
A = Amosite		
TA = Tremolite-		
Actinolite		

Materials that contain <=1.0% Asbestos are not considered Asbestos Containing Materials by NESHAPS or EPA but may still be covered by OSHA. OSHA regulations may apply during potential disturbance activities.

Suspect materials which were sampled and determined to contain <=1.0% Asbestos (refer to Attachments), by PLM and/or PLM Point Count analysis are:

None detected.

Suspect materials which were visually inspected and determined to be Non-ACM materials at the time of the inspection were:

**Fiberglass** 

Wood

Glass

Metal

Plastic

Concrete

Etc.

Suspect materials which were not within the Scope of Work at the time of the inspection were:

- 1. All' EPA suspect Materials not requested:
- 2. 'Any' confirmed or suspect ACM which may have been concealed at the time of the inspection.
- 3. During a normal inspection, and more specifically when non-destructive sampling techniques are employed, it is not within the scope of the inspection to remove surface materials to inspect or quantify the structures and/or materials which may be under the surface, i.e., within or under concealed areas such as under carpet, under sub-floors, within chases, walls, crawlspaces, tunnels, etc., to remove suspect Asbestos Containing Material(s), to move and/or sample electrical wiring which has not been 'locked out', etc. All said areas are to be assumed as containing >1.0% Asbestos, until such a time that these areas are made accessible, and/or rendered safe so that sampling can be performed. Prior to renovations or demolition of these areas, it is recommended that a more destructive protocol be utilized in order to make these determinations:

Concealed Materials -

Based on the nature of the Asbestos which could be concealed, it is recommended:

Extensive 'destructive' sampling and quantification of these materials throughout the property in order to determine if concealed locations contain an Asbestos or if isolated to a specific era of remodeling;

or

If extensive 'destructive' sampling and quantification of these materials is not possible, and presumptions that concealed locations are potentially Asbestos, then it is recommended that a site specific Management Plan be developed and implemented which could effectively manage the future renovations of the property. A Management Plan can be designed to review specific locations of renovation locations, i.e., destructive sampling and quantification through concealed chases, and under carpeting prior to disturbance of these areas by the Owner or Contractors which will assist in the recognition and response to potential health risks from concealed Asbestos.

4. HERRON™ recommends extreme caution during a renovation or demolition of these areas in the event that an area which was not suspect, visible, accessible and/or specified during the inspection, is discovered to contain or is suspected of containing an Asbestos Containing Material (ACM). Under local, state and/or federal regulations, should such an event occur, the Client and or Contractor is required to cease operations which may effect this (these) material(s) until an inspection is concluded and a determination is made by an AHERA and State Certified Asbestos Building Inspector.

Disturbance of these areas could create a potential health hazard.

#### Recommendations

The Client has advised that **Building G** is a **renovation with disturbance of the concrete slab only.** 

As Regulated Asbestos Containing Materials **were** discovered during this inspection are in good condition, no further action is required, however, the materials should be managed and not disturbed.

HERRON<sub>TM</sub> would recommend as a minimum Plan of Action:

1. Management Plan (not applicable should any Asbestos Spill Response Actions be required): a site specific Management Plan to include an Operations and Maintenance Program (O&M) which could effectively manage the material, dependent on the use of the structure, occupants, etc.

Should a renovation or demolition occur which could affect concealed locations that are potentially Asbestos, HERRON<sub>TM</sub> would recommend as a minimum Plan of Action (where required):

- 1. Comprehensive Asbestos Building Inspection: a continuous process in areas which may not have been accessible, or for materials which may have been concealed in previous inspections, may be required, i.e., review and usage of previous Asbestos Inspection(s), identification of suspect materials, friable and non-friable, approximate quantities, discovery sampling in areas which will be affected by the renovation/demolition in order to determine the presence of Asbestos Containing Materials, etc.
- 2. Asbestos Abatement Project Design (Plan of Action): coordinated with Owner should be developed in order to direct exact areas and quantities of removal for renovation or demolition purposes.
- 3. Asbestos Abatement (to facilitate demolition): coordinated with Client, should the material be required to be removed prior to renovation or demolition activity:
- 4. Asbestos Air Monitoring: of project on behalf of Client, i.e., compliance to local, state, and/or federal regulations (as applicable), i.e., compliance, visual inspections, monitoring, air/dust sampling, etc.
- 5. Demolition Notification: is required, i.e., prior to demolition (or demolition of a load bearing wall), the Colorado Department of Health and Environment requires that the building(s) be certified by the State Certified Asbestos Building Inspector as:
  - a. not having any regulated asbestos existing anywhere in the building(s);
  - b. this document serves as a certified notification to the owner/operator of the facility and the demolition contractor;
    - i. the non-friable asbestos-containing building materials, i.e., window glazing and caulking, tar impregnated asphaltic roofing materials, floor tiles, mastics, etc. will be allowed to be demolished with the building provided that the proposed building demolition methods do not include

explosives, sawing, grinding, abrading or blasting that will render the materials friable;

- ii. any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition.
- c. Once the Demolition Notification has been endorsed, the Owner/Contractor is to submit an original to the Colorado Department of Health and Environment, which then undergoes a ten (10) working day notification process, after which a Demolition Approval will be issued, to be posted at the project site during operations.
- d. After receipt of the CDPHE demolition approval and Building Department demolition permit, renovate or demolish the areas of the Building(s) inspected (recycling prohibited), in accordance with local, state, and/or federal regulations as indicated (only).
- e. The Owner has been advised of the soil regulations 6 CCR 1007-2, the Colorado Solid Waste Regulations-Asbestos and Asbestos Contaminated Soil. The demolition contractor is required to remove 'all' demolition building material debris from the project site. This would include all 'small' pieces of the structure.

# Building H Conclusion

Based on the information generated by this report, we conclude that the aforementioned property **does not contain Asbestos Containing Material(s) (ACM)** for purposes of a renovation.

In order to comply with local, state, and/or federal regulations, the following ACM, or assumed ACM will have to be removed if they will be affected by the renovation:

None detected.

Suspect materials which were sampled and determined to contain <=1.0% Asbestos (refer to Attachments), by PLM and/or PLM Point Count analysis are:

Gray 12X12" Floor Tile on Concrete, Miscellaneous Material (M), Non-Friable, <160 Square Feet, Good Condition (Current Condition), North East Corner Interior, 1 Sample(s),

022414-1A-H, On Floor, 8' from N Wall, at Building I, Photo 095629

Suspect materials which were visually inspected and determined to be Non-ACM materials at the time of the inspection were:

**Fiberglass** 

Wood

Glass

Metal

Plastic

Concrete

Etc.

Suspect materials which were not within the Scope of Work at the time of the inspection were:

- 1. All' EPA suspect Materials not requested.
- 2. 'Any' confirmed or suspect ACM which may have been concealed at the time of the inspection.
- 3. During a normal inspection, and more specifically when non-destructive sampling techniques are employed, it is not within the scope of the inspection to remove surface materials to inspect or quantify the structures and/or materials which may be under the surface, i.e., within or under concealed areas such as under carpet, under sub-floors, within chases, walls, crawlspaces, tunnels, etc., to remove suspect Asbestos Containing Material(s), to move and/or sample electrical wiring which has not been 'locked out', etc. All said areas are to be assumed as containing >1.0% Asbestos, until such a time that these areas are made accessible, and/or rendered safe so that sampling can be performed. Prior to renovations or demolition of these areas, it is recommended that a more destructive protocol be utilized in order to make these determinations:

Concealed Materials -

Based on the nature of the Asbestos which could be concealed, it is recommended:

Extensive 'destructive' sampling and quantification of these materials throughout the property in order to determine if concealed locations contain an Asbestos or if isolated to a specific era of remodeling;

or

If extensive 'destructive' sampling and quantification of these materials is not possible, and presumptions that concealed locations are potentially Asbestos, then it is recommended that a site specific Management Plan be developed and implemented which could effectively manage the future renovations of the property. A Management Plan can be designed to review specific locations of renovation locations, i.e., destructive sampling and quantification through concealed chases, and under carpeting prior to disturbance of these areas by the Owner or Contractors which will assist in the recognition and response to potential health risks from concealed Asbestos.

- 4. HERRON™ recommends extreme caution during a renovation or demolition of these areas in the event that an area which was not suspect, visible, accessible and/or specified during the inspection, is discovered to contain or is suspected of containing an Asbestos Containing Material (ACM). Under local, state and/or federal regulations, should such an event occur, the Client and or Contractor is required to cease operations which may effect this (these) material(s) until an inspection is concluded and a determination is made by an AHERA and State Certified Asbestos Building Inspector.
- 5. Disturbance of these areas could create a potential health hazard.

#### Recommendations

The Client has advised that **Building H** is a **renovation with disturbance of the concrete slab only.** 

As Regulated Asbestos Containing Materials were not discovered during this inspection, further action is not required.

HERRON™ would recommend as a minimum Plan of Action:

1. Management Plan (not applicable should any Asbestos Spill Response Actions be required): a site specific Management Plan to include an Operations and Maintenance Program (O&M) which could effectively manage the material, dependent on the use of the structure, occupants, etc.

Should a renovation or demolition occur which could affect concealed locations that are potentially Asbestos, HERRON<sup>TM</sup> would recommend as a minimum Plan of Action (where required):

- 1. Comprehensive Asbestos Building Inspection: a continuous process in areas which may not have been accessible, or for materials which may have been concealed in previous inspections, may be required, i.e., review and usage of previous Asbestos Inspection(s), identification of suspect materials, friable and non-friable, approximate quantities, discovery sampling in areas which will be affected by the renovation/demolition in order to determine the presence of Asbestos Containing Materials, etc.
- 2. Asbestos Abatement Project Design (Plan of Action): coordinated with Owner should be developed in order to direct exact areas and quantities of removal for renovation or demolition purposes.
- 3. Asbestos Abatement (to facilitate demolition): coordinated with Client, should the material be required to be removed prior to renovation or demolition activity:
- 4. Asbestos Air Monitoring: of project on behalf of Client, i.e., compliance to local, state, and/or federal regulations (as applicable), i.e., compliance, visual inspections, monitoring, air/dust sampling, etc.
- 5. Demolition Notification: is required, i.e., prior to demolition (or demolition of a load bearing wall), the Colorado Department of Health and Environment requires that the building(s) be certified by the State Certified Asbestos Building Inspector as:
  - a. not having any regulated asbestos existing anywhere in the building(s);

- b. this document serves as a certified notification to the owner/operator of the facility and the demolition contractor;
  - i. the non-friable asbestos-containing building materials, i.e., window glazing and caulking, tar impregnated asphaltic roofing materials, floor tiles, mastics, etc. will be allowed to be demolished with the building provided that the proposed building demolition methods do not include explosives, sawing, grinding, abrading or blasting that will render the materials friable;
  - ii. any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition.
- c. Once the Demolition Notification has been endorsed, the Owner/Contractor is to submit an original to the Colorado Department of Health and Environment, which then undergoes a ten (10) working day notification process, after which a Demolition Approval will be issued, to be posted at the project site during operations.
- d. After receipt of the CDPHE demolition approval and Building Department demolition permit, renovate or demolish the areas of the Building(s) inspected (recycling prohibited), in accordance with local, state, and/or federal regulations as indicated (only).
- e. The Owner has been advised of the soil regulations 6 CCR 1007-2, the Colorado Solid Waste Regulations-Asbestos and Asbestos Contaminated Soil. The demolition contractor is required to remove 'all' demolition building material debris from the project site. This would include all 'small' pieces of the structure.

# Building I Conclusion

Based on the information generated by this report, we conclude that the aforementioned property **does not contain Asbestos Containing Material(s) (ACM)** for purposes of a renovation.

In order to comply with local, state, and/or federal regulations, the following ACM, or assumed ACM will have to be removed if they will be affected by the renovation:

None detected.

Suspect materials which were sampled and determined to contain <=1.0% Asbestos (refer to Attachments), by PLM and/or PLM Point Count analysis are:

None detected

Suspect materials which were visually inspected and determined to be Non-ACM materials at the time of the inspection were:

Concrete Floor - no EPA Suspect Materials located on the floor.

**Fiberglass** 

Wood

Glass

Metal

Plastic

Concrete

Etc.

Suspect materials which were not within the Scope of Work at the time of the inspection were:

- 1. All' EPA suspect Materials not requested.
- 2. 'Any' confirmed or suspect ACM which may have been concealed at the time of the inspection.
- 3. During a normal inspection, and more specifically when non-destructive sampling techniques are employed, it is not within the scope of the inspection to remove surface materials to inspect or quantify the structures and/or materials which may be under the surface, i.e., within or under concealed areas such as under carpet, under sub-floors, within chases, walls, crawlspaces, tunnels, etc., to remove suspect Asbestos Containing Material(s), to move and/or sample electrical wiring which has not been 'locked out', etc. All said areas are to be assumed as containing >1.0% Asbestos, until such a time that these areas are made accessible, and/or rendered safe so that sampling can be performed. Prior to renovations or demolition of these areas, it is recommended that a more destructive protocol be utilized in order to make these determinations:

Concealed Materials -

Based on the nature of the Asbestos which could be concealed, it is recommended:

Extensive 'destructive' sampling and quantification of these materials throughout the property in order to determine if concealed locations contain an Asbestos or if isolated to a specific era of remodeling;

or

If extensive 'destructive' sampling and quantification of these materials is not possible, and presumptions that concealed locations are potentially Asbestos, then it is recommended that a site specific Management Plan be developed and implemented which could effectively manage the future renovations of the property. A Management Plan can be designed to review specific locations of renovation locations, i.e., destructive sampling and quantification through concealed chases, and under carpeting prior to disturbance of these areas by the Owner or Contractors which will assist in the recognition and response to potential health risks from concealed Asbestos.

- 4. HERRON<sub>TM</sub> recommends extreme caution during a renovation or demolition of these areas in the event that an area which was not suspect, visible, accessible and/or specified during the inspection, is discovered to contain or is suspected of containing an Asbestos Containing Material (ACM). Under local, state and/or federal regulations, should such an event occur, the Client and or Contractor is required to cease operations which may effect this (these) material(s) until an inspection is concluded and a determination is made by an AHERA and State Certified Asbestos Building Inspector.
- 5. Disturbance of these areas could create a potential health hazard.

#### Recommendations

The Client has advised that **Building I** is a **renovation with disturbance of the concrete slab only.** 

As Regulated Asbestos Containing Materials were not discovered during this inspection, further action is not required.

HERRON™ would recommend as a minimum Plan of Action:

1. Management Plan (not applicable should any Asbestos Spill Response Actions be required): a site specific Management Plan to include an Operations and Maintenance Program (O&M) which could effectively manage the material, dependent on the use of the structure, occupants, etc.

Should a renovation or demolition occur which could affect concealed locations that are potentially Asbestos, HERRON<sup>TM</sup> would recommend as a minimum Plan of Action (where required):

- 1. Comprehensive Asbestos Building Inspection: a continuous process in areas which may not have been accessible, or for materials which may have been concealed in previous inspections, may be required, i.e., review and usage of previous Asbestos Inspection(s), identification of suspect materials, friable and non-friable, approximate quantities, discovery sampling in areas which will be affected by the renovation/demolition in order to determine the presence of Asbestos Containing Materials, etc.
- 2. Asbestos Abatement Project Design (Plan of Action): coordinated with Owner should be developed in order to direct exact areas and quantities of removal for renovation or demolition purposes.
- 3. Asbestos Abatement (to facilitate demolition): coordinated with Client, should the material be required to be removed prior to renovation or demolition activity:
- 4. Asbestos Air Monitoring: of project on behalf of Client, i.e., compliance to local, state, and/or federal regulations (as applicable), i.e., compliance, visual inspections, monitoring, air/dust sampling, etc.
- 5. Demolition Notification: is required, i.e., prior to demolition (or demolition of a load bearing wall), the Colorado Department of Health and Environment requires that the building(s) be certified by the State Certified Asbestos Building Inspector as:
  - a. not having any regulated asbestos existing anywhere in the building(s);

- b. this document serves as a certified notification to the owner/operator of the facility and the demolition contractor;
  - i. the non-friable asbestos-containing building materials, i.e., window glazing and caulking, tar impregnated asphaltic roofing materials, floor tiles, mastics, etc. will be allowed to be demolished with the building provided that the proposed building demolition methods do not include explosives, sawing, grinding, abrading or blasting that will render the materials friable;
  - ii. any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition.
- c. Once the Demolition Notification has been endorsed, the Owner/Contractor is to submit an original to the Colorado Department of Health and Environment, which then undergoes a ten (10) working day notification process, after which a Demolition Approval will be issued, to be posted at the project site during operations.
- d. After receipt of the CDPHE demolition approval and Building Department demolition permit, renovate or demolish the areas of the Building(s) inspected (recycling prohibited), in accordance with local, state, and/or federal regulations as indicated (only).
- e. The Owner has been advised of the soil regulations 6 CCR 1007-2, the Colorado Solid Waste Regulations-Asbestos and Asbestos Contaminated Soil. The demolition contractor is required to remove 'all' demolition building material debris from the project site. This would include all 'small' pieces of the structure.

Inspection Methodology:

HERRON™ selected sample locations and frequency of sampling based on observations, Client requirements and/or the assumption that like materials in the same area are homogeneous in accordance with EPA Publication EPA 560 / 5-85 - 030a 'Asbestos in Buildings: Simplified Sampling Scheme'.

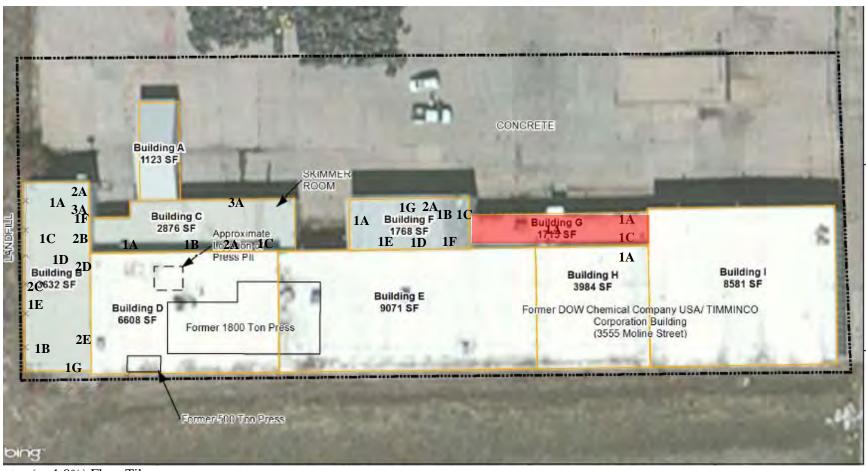
Sample locations and frequency of sampling of Walls and Ceilings are based on EPA 9/30/94 EPA Sampling Bulletin - ASBESTOS SAMPLING BULLETIN September 30, 1994 - Supplementary Guidance on Bulk Sample Collection and Analysis. Section V of this guidance bulletin offers a suggested strategy for distinguishing between joint compound found at joints in wallboard systems or when the material was applied as a skim coat; i.e., for determining whether "joint compound" has been applied as a "skim coat" over a wall surface (as referred to in the NESHAP Jan. 5, 1994 FR notice.)



# HERRON<sub>TM</sub> Enterprises USA, Inc.

Hazardous Materials\*Mold\*Asbestos\*Lead Paint Environmental Services\*Industrial Hygienists

Phone (303) 763 9639
Fax (303) 763 9686
E-Mail Lennie.Herron@comcast.net
www.HERRON-Enterprises.com
7261 W. Hampden Ave., Lakewood, Colorado 80227-5305



Asbestos (>=1.0%) Floor Tile

Note: Plans copied by permission, not to scale. Approximate Sample and Asbestos Locations.









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February 25, 2014 Subcontract Number: NA

Laboratory Report: RES 283131-1
Project # / P.O. # 0104148
Project Description: None Given

Lennie Herron Herron Enterprises, USA, Inc. 7261 W. Hampden Ave. Lakewood CO 80227

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

**RES 283131-1** is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Jeanne Spencer

President

### Effective January 1, 2014 MENTAL INC T:\QAQC\Lab\Reservoirs Environmental QA Manual.doc

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0 TDH Licensed Laboratory # 30-0136

#### TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 283131-1

Client: Herron Enterprises, USA, Inc.

Client Project Number / P.O. **0104148**Client Project Description: **None Given** 

Date Samples Received: February 24, 2014

Method: EPA 600/R-93/116 - Short, Bulk

Turnaround: 24 Hour

Date Analyzed: February 24, 2014

ND=None Detected

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)		Components	Non- Fibrous Components (%)
022414-1A-B	EM 1124685	Α	Off white/tan fibrous material w/ white paint	100	ND	85	15
022414-1B-B	EM 1124686	Α	Off white fibrous material w/ white paint	100	ND	85	15
022414-1C-B	EM 1124687	Α	Off white fibrous material w/ white paint	100	ND	85	15
022414-1D-B	EM 1124688	Α	Off white fibrous material w/ white paint	100	ND	85	15
022414-1E-B	EM 1124689	Α	Off white fibrous material w/ white paint	100	ND	85	15
022414-1F-B	EM 1124690	Α	Off white/gray fibrous material w/ white paint	100	ND	85	15
022414-1G-B	EM 1124691	Α	Off white/gray fibrous material w/ white paint	100	ND	85	15

## RESERVOIRS ENVIRONMENTAL, INC. Effective January 1, 2014 T:\QAQC\Lab\Reservoirs Environmental QA Manual.doc

NVLAP Lab Code 101896-0 TDH Licensed Laboratory # 30-0136

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ND=None Detected

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	į	Components	Non- Fibrous Components (%)
022414-2A-B	EM 1124692	Α	White/tan paint	100	ND	0	100
022414-2B-B	EM 1124693		Tan resinous material w/ white paint Gray granular cementitious material w/ beige paint	10 90	ND ND		100 100
022414-2C-B	EM 1124694	Α	White paint	100	ND	0	100
022414-2D-B	EM 1124695	Α	White/light gray paint	100	ND	0	100
022414-2E-B	EM 1124696	Α	White/light gray paint	100	ND	0	100

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Turnaround: 24 Hour

Date Analyzed: February 24, 2014

ND=None Detected

Client Sample	Lab ID Number	L A		Sub	Asbestos Content	Non Asbestos	Non- Fibrous
Number		Y E R	Physical Description	Part (%)	Mineral Visual	Components	Components (%)
022414-3A-B	EM 1124697		Light gray/tan drywall w/ white paint	100	Estimate (%)		85
022414-1A-C	EM 1124698	Α	Gray/peach resinous material	100	ND	0	100
022414-1B-C	EM 1124699	Α	Gray/peach resinous material	100	ND	0	100
022414-1C-C	EM 1124700	Α	Gray/peach resinous material	100	ND	0	100
022414-2A-C	EM 1124701	Α	Gray resinous material	100	ND	0	100
022414-3A-C	EM 1124702	B C	White compound White joint compound Off white tape Off white/tan drywall	5 5 5 85	ND ND ND ND	99	100 100 1 90

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Turnaround: 24 Hour

Date Analyzed: February 24, 2014

ND=None Detected

Client Sample	Lab ID Number	L A	Ls	Sub	Asbestos Conten		Non Asbestos	Non- Fibrous
Number	ID Number	Y E R	Physical Pa	Part	Mineral Estima		Fibrous Components	Components (%)
022414-1A-F	EM 1124703		Brown/tan fibrous material 10	00	į Estima	ND	(70)	10
022414-1B-F	EM 1124704	А	Off white fibrous material	00		ND	90	10
022414-1C-F	EM 1124705	Α	Off white/tan fibrous material	00		ND	90	10
022414-1D-F	EM 1124706	Α	Off white/tan fibrous material	00		ND	90	10

#### Effective January 1, 2014 T:\QAQC\Lab\Reservoirs Environmental QA Manual.doc

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Turnaround: 24 Hour

Date Analyzed: February 24, 2014

ND=None Detected

Client	Lab	L		laı	Asbestos Content	Non	Non-
Sample Number	ID Number	A Y	Physical	Sub Part		Asbestos	Fibrous Components
Number		Ē	Description			Components	
		R	·	, ,	Estimate (%		
022414-1E-F	EM 1124707	Α	Off white/tan fibrous material	100	NE	90	10
022414-1F-F	EM 1124708	Α	Tan fibrous material	100	NE	90	10
022414-1G-F	EM 1124709	Α	Off white fibrous material	100	NE	90	10
022414-2A-F	EM 1124710	Α	White joint compound	5	NE	0	100
			Off white tape	30	NE		
		С	Pink/tan drywall	65	ND	10	90
022414-1A-G	EM 1124711		Yellow adhesive	3	ND		100
		В	White tile	97	ND	0	100

#### Effective January 1, 2014 T:\QAQC\Lab\Reservoirs Environmental QA Manual.doc RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0 TDH Licensed Laboratory # 30-0136

PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME **TABLE** 

**RES Job Number:** RES 283131-1

Client: Herron Enterprises, USA, Inc.

Client Project Number / P.O. 0104148 Client Project Description: None Given

Date Samples Received: February 24, 2014

Method: EPA 600/R-93/116 - Short, Bulk

Turnaround: 24 Hour

February 24, 2014 Date Analyzed:

ND=None Detected TR=Trace. <1% Visual Estimate Trem-Act=Tremolite-Actinolite

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)		Visual Estimate (%)	Components	
022414-1B-G	EM 1124712	A Black mastic B Off white/green tile		3 97	Chrysotile	ND 2	0	100 98
022414-1C-G	EM 1124713	A Black mastic B Off white/green tile		3 97	Chrysotile	ND 2	0 0	100 98
022414-1A-H	EM 1124714	A Tan mastic B Black mastic C White/gray tile		2 3 95		ND ND ND		100 100 100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

Analyzed by:

Que Pham

Data QA:

Due Date:	22514
Due Time:_	1:45



Pager: 303-509-2098

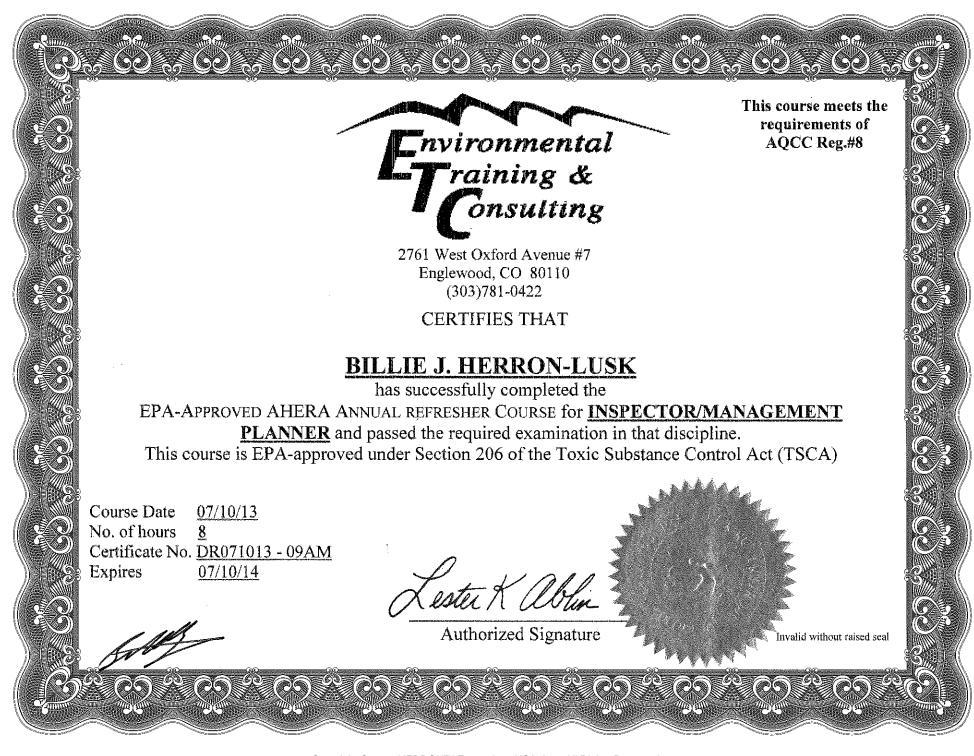
RES 283131

Page 1 of 2

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Addmss: 7261 W. Hampden Ave.	Address:					Phone:	(30)	3)7	63-	963	9					Phone Fax:	C			
Lakewood, CO 80227			Fex																	
					Sellpager Cellpager:															
Project Number and/or P.O. P. 0104148								Final Date Deliveratio Emel Address: HERRON Group												
Project Description Location:		_											-			- D				n marte
ASBESTOS LABORATORY HOURS: Weekdays 7am - 7pm	market ende of the second rela-	10	- 1		RE(	QUES	TED	ANA	LYS	SIS -	455	- 1	per p	-	-		ATRIX CO		. LA	AB NOTES:
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(Rush PCM = 2hr, TEM = 6hr.)		-						m		111		ы		_	ust =	-		aint = P	-	
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm	The Arms VA	-			311							ш			ioil =	_		fipe = W = Food	-	
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#### COLORADO HAZARO CONTROL ...

1775 West 55<sup>th</sup> Avenue Denver, CO 80221 303.410.4941

36 North Research Drive, Suite B Pueblo West, CO 81007 719-225-0283

Certifies that

## **Michael Herron**

Has Successfully Completed the EPA- Approved Asbestos Initial Training Course Under Section 206 of the Toxic Substance Control Act (TSCA), Title II. In:

#### **BUILDING INSPECTOR**

Course Date:

November 25-27, 2013

Number of Hours: 24 Certificate No.: 13389

Expiration Date: November 27, 2014

Frank Hulce – Training Instructor

Kamaya Boneditts

Danaya Benedetto -- Training Program Manager



Colorado Department of Public Health and Environment

# ASBESTOS CERTIFICATION\*

This certifies that

## Michael W. Herron Sr.

Certification No.: 13788

has met the requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

## **Building Inspector\***

Issued:

**December 06, 2013** 

**Expires:** 

**December 06, 2014** 

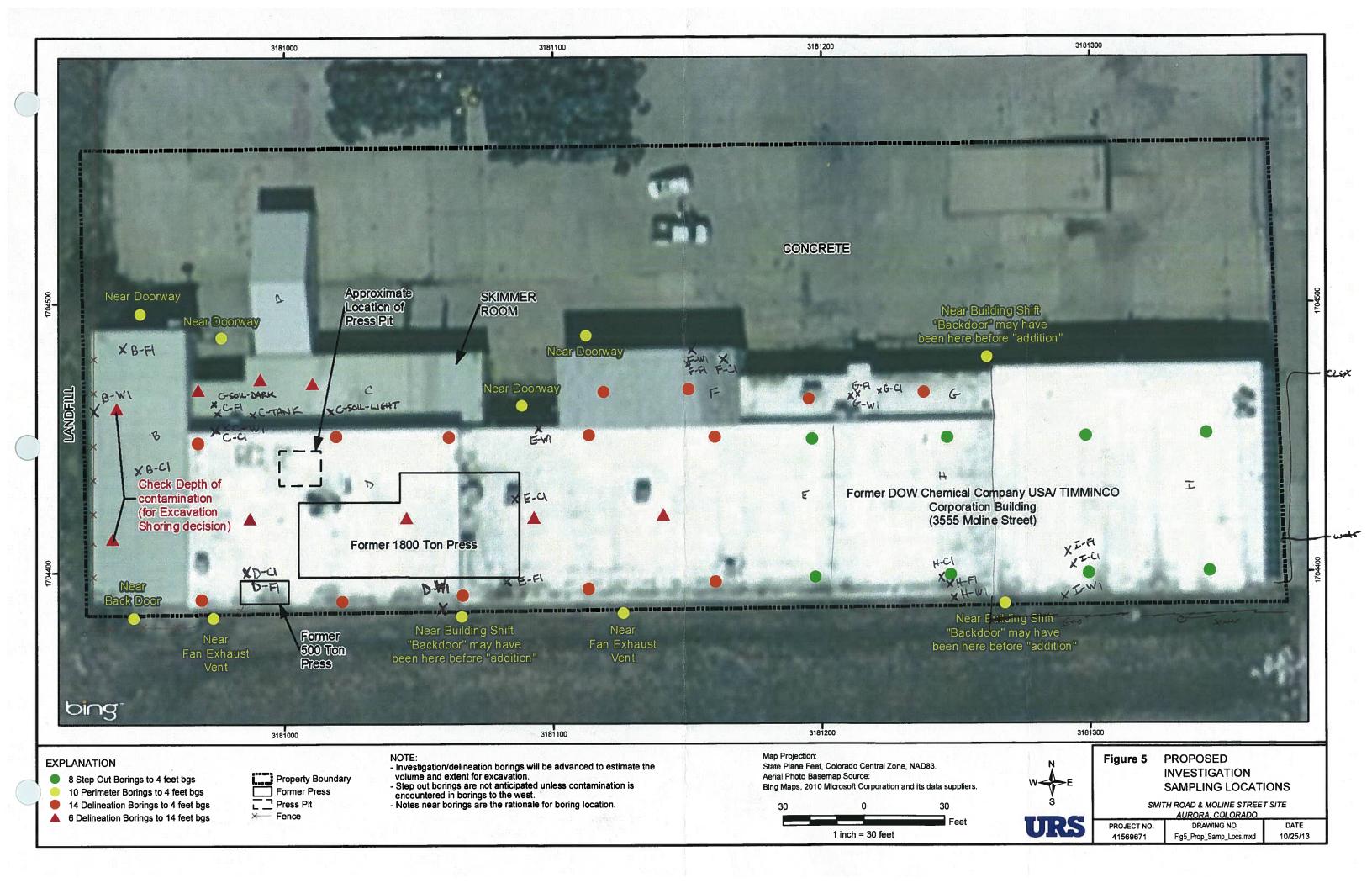
\* This certificate is valid only with the possession of a current Division-approved training course certification in the discipline specified above.

therized APCD Representative

# ATTACHMENT B STAGE I FIELD DOCUMENTATION

**WIPE SAMPLING** 

UKS	URS Corporation 8181 E. Tufts Ave, Denver CO 80237		pe Sample Do <u>Projec</u>	I INVESTIGA ocumentation t Number 69671		Project Co Geoffrey Uh Phone: 303.8	lemann	Page I
Sample #	Sample ID	Sampler Initials	Date	Time	Height (feet)	Dexsil Field Kit POB Results (page)	Confirmation Sample Sent to Lab? (Y/N)	QC?
1	D-C1-155	GW	2/24/13	0945	15.5	763 / 320	Y	
2	D- C1-15.5-FD			०१५५	)	2406/1010	_	Fizik
3	0-01-15,5-Lab			0745	1	13 —	Confirm	Hon
4	D-W1-5			1020	5	779 / 335	_	
5	1-71-0			1025	0	1115/468	- benefic	c.Un
6	B-C1-13.5			1035	13.5	1315/552	- offly	-
7	B-W1-2			1045	3	114 / 48	-west un	
8	B-F1-0			1055	0	1998 /838	- 100	stack
9	0-01-11			1055	11	374 / 157	_	
10	C-W1-4			1100	4		Y- Six	-it
11	C-Wi-4-Lab			1100	4	0.42	4 confirmed	
12	C-F1-0			1105	0	HIGH / 2306	- 5W Co	25
13	C-TANK			1135	2	1145/481	- pressve	
14	E-C1-19.5			1145	12.5	229 / 963		
15	E-W1-4			1150	4	78.9/33.1	- norte	-
16	E-F1-0			1155	0	2000 / 840	_	
17	F-C1-12			1205	12	73.9/31.0	- on heat	-
18	F-W1-3			1310	3	78.3 / 32.9	Y north	~
19	=-W1-3-Lab			1210	3	0.38	4 infilms	~
20	G-C1-9			1220	9	349/146	- air du	tenn
21	G-W1-4			1225	4	7. 7. 7. 7.	- WEATA DA	
22	G-F1-0			1230	Ø	59.4/24.9	- bellury .	ile
23	H-C1-12.5			1235	12.5	16.0/6.73		
24	H-W1-4			1240	4	42.3/17.7		mall
25	11 - W1 - 4 - Lab			1240	4	57—	المالكين ا	in
26	H- F1-0		- 11	1245	φ	629 /264		
27	I-CI-16.5			(250	16.5	15.2/6,41	and the second second second	
28	I-W1-4			:255	4	9.65/4.05		
29	I-F1-0	- 1		1300	Q	815/342		
30	I-F1-0-Lala			1300	0	5.4	Giorgianistra	
31	I-F1-0-FD			1300	0	408 / 174	Field screen	
32	F-F1-0	1	1.1	1305	0	272/114		
33								
34		(W)						
35		X						1



STAGE I SUMMARY TECHNICAL MEMORANDUM  Moline Street PCB Sin	M te
DRILLING RECORDS AND BORING LOGS	

	110			Project	Name: Moline Street PCI	3 Site - Stage 1 Investigation	The state of the s	Log of Boring
١,	UR			Client:		TDCC	SB- 01	Log or borning
L	oring	LO	3	Project	Number:	41569671	Type: Perimeter	Shallow Deep Step Out
Date(s) Orilled	3	17/2	2014	Logged By	Geoffrey Uhlemann URS Corporation	Total Depth of		oth to Water (ft bgs)
rilling		DPT		Diameter o	f 2.5	Building Location	Depth to Water and	Not Encountered I Elasped Time (ft bgs)
Drill Rig	Geopro	nhe		Borehole (i Drilling	Alpine Remediation	Abandonment Method		- no well installed e Elevation (ft msl)
Type Driller's	Name			Company Sampler	Aprilo Homodation	Northing	TBD Easting	TBD TBD
E	Comment		1	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered? (YN)	
Location			10TE	: For a	ell borns logs, # listed under sn			AN .
		AMPI	LES_		" X" denotes a sample was	collected, but not	analyzed	LLE Manden La
	7 (#	٦	ω D	<u></u>	MATERIAL DESC	RIPTION	delar 1254 and Submit	et for lablamy analys
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS			REM	IARKS
ے ق	ě	- G-	888		A=0.61 Contribe = 11me 23	has charine che	Ass A Regin drilling :	
	-	0	140	CONC	hat a vertical crack  -0.5-4.5! Such Still - tunn		(140 Begin drilling; P	re 1195
	-	٥	3:76		- moderately physic, motorally	form such a web.		
	ه نا 🗕			ML	ned gan	)		
2	14.9	0	×			<u>-</u>		
	7			MH	chayey tone			
			×	Lm.F	mulestry sty, coccoz methle	· ·		
	3	0	- "		- worded mid 1 Cared week	2,000		
4	-	0	X					
	3			MH	id, 9 - 5:0: Class silt - dark ch highly physics, moderately soft	ocolate brown, mosts		
	+-	_		200	highly dustre, moderately soft	the sul	MILY dot ship	1
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URS Boring Log				Project I Client:		Site - Stage 1 Investigation	SB-02		
	9			Project I		41569671	Тур	e: Perimeter Shallow Deep Shallow	
Date(s) Drilled	3/	17/2	2014	Logged By	Geoffrey Uhlemann URS Corporation	Total Depth of Borehole (ft)	4.6-776-1	Depth to Water (ft bgs)  Not Encountered	
rilling Method		DPT		Diameter o Borehole (i	2.5	Building Location	De	epth to Water and Elasped Time (ft bgs)  Not measured - no well installed	
Drill Ric	Geopro	be	111	Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD	
Driller's Na	me	102		Sampler		Northing		Easting	
Location/Co	mments	3	223 13	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered?(Y/N		
1	9/	MPI	EC	-		92			
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol	MATERIAL DESC	RIPTION		REMARKS	
_		0	0	CONC	00.5: Concrede		1157	Begin drilling ; Prue 1219	
2_	5/5		6.09 ×	ML	-0.5-5.0: Southy Silt "Input brown to high planticiting, moderally ext		growel	ntered for e 1219 justice box	
4		0	<b>x</b> )	MA	- Clayery Bone, highly plaiter, les cliques from moderately planters, softer	( Paud, Ca(Os mthry _			
-		0	P	WT	-		1205	a oak dalla	
6							, , , , , , , , , , , , , , , , , , , ,	to blay gulling	
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		UR	S		Project Client:	Name: Moline Street PCE	3 Site - Stage 1 Investigation	09 0: 50:9		
	Bor	ring	Log	9	12	Number:	41569671	Tvo	SB- 03 De: Perimeter Shallow Deep Step Out	
Date(s	в)	3.	17/2	2014	Logged	Geoffrey Uhlemann	Total Danth of		Depth to Water (ft bgs)	
Orillec			DPT		By Diameter of	URS Corporation	Borehole (ft) 5. 6	De	Not Encountered epth to Water and Elasped Time (ft bgs)	
Metho Drill R	io				Borehole ( Drilling	50000000 Box =	Abandonment Method	Not-measured - no well installed		
Туре	r's Na	Geopro	be		Company	Alpine Remediation	Bertonte		Ground Surface Elevation (ft msl) TBD	
			EC	_	Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encou		Easting TBD	
Locati	Location/Comments					W II				
		_	AMPI	LES						
  - 3	(2)	Recovery (ft)	(E	ted a	( o	MATERIAL DESC	RIPTION		DEMARKO	
Depth (# hgs)	60-11 	Secov.	PID (ppm)	Samples Collected	USCS		[ml	Conglet	REMARKS	
		-	ΝA	19/4	CONC	0-0.5: Concrete	- Ciric	1215	the 11:45 Begin drilling; pric @ 1241	
	7	3.75			BINC	-0.5-4.0: Sandy SIH. tanash brum moderately playing i nederately for	to light brown must .			
	╡	3	0	1.5	ML	- such	ne, fre work gr -	16" you	showy zone	
	2	7	0	1.5						
	-		O	Mary 6						
	7		0	×		Tim to the second	-	SB	-03-4.5 collected at	
	3		O		WH	- soft, highly plustre, less soul, i	r. must		-03-4.5 collected at	
	4_		0	×		F )		1		
	=	1	5	4.63	ML	gray stemmy, hydroculon/ solventy from, incoming part, low plays	odor, redustry .	Pic e 1241		
	4			1.63				1770 Si	topp dyllog	
11	ᅼ			7) 7503	11.1-1-12.11		_	11220	16- 0	
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	URS			Project	Name: Moline Street PCB	Site - Stage 1 Investigation		Log of Boring	
Boi	ring	Log	7		Number:	41569671	Тур	e: Perimeter Shallow Deep Step Ou	
Date(s)	3/	17 /2	014	Logged	Geoffrey Uhlemann	Total Depth of		Depth to Water (ft bgs)	
Drilled rilling	3/	DPT	_	By Diameter o	URS Corporation	Borehole (ft) 5.0		Not Encountered epth to Water and Elasped Time (ft bgs)	
Method				Borehole (	25	I	Not measured - no well installed		
Drill Rig Type	Geoprot	90		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD	
Driller's Na	me	E		Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encou		Easting TB	
Location/Co	mments				assisted discrete (magnetocolo)		morou: (I)		
	64	MDI	EQ				T		
Depth (ft-bgs) Recovery (ft) PID (ppm) Samples Collected				USCS Symbol	MATERIAL DESCI	RIPTION	REMARKS		
-	-	0		Conc	0-0.5: Concrete		1236	Begin drilling   ("Le 1314	
2	4.25	0	4.12	Nu	0.5-5.0: Souty Filt - light brown makenately Firm, highly plates				
-	an ê	0		ML	- Incremy sand, low plushedy & SE	£Ł _	1		
100			X			<del>-</del>		tr.	
4 -		0			F],				
		0	, <b>*</b>		- moderately plants, solite	11	1		
-		U	×		FV		40	ppad dillry	
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		<u> </u>		Project	Name: Moline Street PCE	Site - Stage 1 Investigation		Log of Boring
	URS		. 1	Cllent:		TDCC		SB- 05
BOI	ring	LO	9	Project	Number:	41569671	Тур	e: Perimeter Shallow Deep Step Ou
Date(s) Drilled	3.	17 /2	2014	Logged	Geoffrey Uhlemann URS Corporation	Total Depth of 5. C	•	Depth to Water (ft bgs)
rilling		DPT		By Diameter of Borehole (	of 2.5	Borehole (ft)  Building Location		Not Encountered  pth to Water and Elasped Time (ft bgs)  Not measured - no well installed
Drill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD
Driller's Na	me	EC		Sampler		Northing		Easting TBI
Location/Co	mment			Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered? (Y/N	)
		AMP	LES		The second second			
- 6	Recovery (ft)	<u>.</u>	φ <b>Τ</b>	0	MATERIAL DESCI	RIPTION		
Depth (ft-bgs)	ove	PID (ppm)	Samples Collected	USCS			مرام	REMARKS
다 발	Rec	PID	Sar	Sy		Conc	cone	me 1215 Begin drilling; price 1825
( L. )		0		Cone	_0.0-0.5: Concocte		1245	Begin drilling; pre @ 1825
-		0	3.34		- 1005c, non-physic, five to make age to substituted	rouse, mist, mederally	bendenes	larger
-		0	3.0	SM	to substitute !	some compe, subary	1	
2_	4.25			2.				
	3	0	×		-2.0 -5.0 : Suly SIL - I new town	he borny prest to .	1 chance	2
_			-	MIF	-2.0 -5.0: Souty Silt - lightened -V. Mont, Free to ned gr., reader	many east, studented -	10.8	same I get or premise and a
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URS				Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation	Log of Boring			
Bo	ring		7	Client:		TDCC	SB- 06			
	3				Number:	41569671	Type: Perimeter Shallow Deep Step Ou			
Date(s) Drilled	3.	117 /2	.014	Logged By	Geoffrey Uhlemann URS Corporation	Total Depth of Borehole (ft)	Depth to Water (ft bgs) Not Encountered			
rilling Method		DPT		Diameter o	2.5	Building Location	Depth to Water and Elasped Time (ft bgs) Not measured - no well installed			
Drill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft msl) TBD			
Driller's Na	me	EC		Sampler		Northing	TBD Easting TBC			
Location/Co	mment			Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	untered? (Y(N))			
	- C	* * 4 DI	FC				1			
SAMPLES				-						
ابر (ق	Recovery (ft)	(mc	les	တ္တ	MATERIAL DESC	RIPTION	REMARKS			
Depth (ft-bgs)	eco	PID (ppm)	Samples Collected	USCS	T S	f one	Collector			
-			w C	Mood	MATERIAL DESC 0,0-0.5: Wood - prece of wood a hole or a plug - some standing 0.5-2.75: South Sith - darker - moderating soft/loves, town phost - gr, and to embrowhed	I had been stock with	1300 Begin drilling; pue 1335			
=		NA	_	<b>V.</b> 02.5	0.5-2.75 . Sady Silt - darker	brown, Sl. mont,				
1	-45		B		- gry gray to substanted	redy , fre to v. consc				
2 -	3.75	0	2.76	ML	F					
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-		0	×		- 25-227: Cith Chu; dark chari	Inde brown, al much	4			
-		_		CH	motherally from motorable to highly	phytic				
4 -		0	X	ML	2.75-3.25: STH, thy; dark thought motherwisely from, motherwise to highly -3.25-5.0: South 51H - townson bord - low physically, soft to moterately,	siff, u for to the of				
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URS Boring Log				Project Client:	Name: Moline Street PCB	Site - Stage 1 Investigation		Log of Bori
BOI	ıng	LO		Project	Number:	41569671	Туј	De: Perimeter Shallow Deep Step
ate(s)	3	117 /2	2014	Logged		Total Depth of Borehole (ft) 5, 0		Depth to Water (ft bgs)
rilled rilling		DPT		By Diameter of		Borehole (ft) 5. O Building Location		Not Encountered epth to Water and Elasped Time (ft bgs)
ethod				Borehole (	2.5	Ę		Not measured - no well installed
rill Rig rpe	Geopro	be		Drilling	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD
riller's Na	me			Company Sampler	and the second		TBD	Easting
cation/Co		EC		Туре	acetate sleeves (Macrocore)	Visual Contamination Encour	ntered? (Y/N	
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Ups .	S	AMPI	ES				1	
Y 4	(ft)							
(ft-bgs)	Recovery (ft)	(wdd) OId	Samples Collected	USCS Symbol	MATERIAL DESCR	RIPTION	1	REMARKS
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<u>(</u>	æ	<u>a</u>	йÖ	W	0-0.5: Grerote		1315	Begin drilling; ? C @ 13 48
_		-	10	Cone			(50	1,66 1348
		0	300	ML	-0.5-5.0: Sandy Silt - bown, g	il most, maderately -		
-		0	2.44	ME	E CONTRACTOR OF THE CONTRACTOR			
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2	3	0	×		F			
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Bo	UR: ring			Project Client:		3 Site - Stage 1 Investigation	SB-08		
	3			-	Number:	4156967.1	Type: Perimeter Shallow	Deep Step Ou	
Date(s) Orilled	3	17/2	2014	Logged By	Geoffrey Uhlemann URS Corporation	Total Depth of Borehole (ft)	Depth to Water Not Encounte		
rilling Method		DPT		Diameter o Borehole (i	2.5	Building Location	Depth to Water and Elasped Tin Not measured - no well inst	me (ft bgs)	
Drill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method  Berbanite	Ground Surface Elevation (	ft msi)	
Driller's Na	ame	E(		Sampler Type		Northing	TBD Easting	ТВС	
Location/Co	omment			Libba	acetate sleeves (Macrocore)	Visual Contamination Encou	intered? (Y(N))		
		AMPI	LES			79			
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol	MATERIAL DESC	RIPTION	REMARKS		
1	-	NA.		Conc	0-0.5: Conside		- 1325 Begin drilling iprc e 1359		
		0	b		- Clayer Bacy del brown , oxylater bloom, from	at laren, reported -			
-	3.5		2.57	MH	Changer Stone, Just boron, akishati	on stowy, wyly			
2	2/5	0				- T			
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		UR			Project Client:	Name: Moline Street PCE	Site - Stage 1 Investigation		Log of B	oring
I	Boi	ring	Log	7		Number:	41569671	Tvr		Step Out
la	Date(s)				Logged	Geoffrey Uhlemann	Total Double of		Depth to Water (ft bgs)	Step Out
	Orilled	3.	117 /2		Ву	URS Corporation	Borehole (ft)		Not Encountered	
	rilling Method		DPT		Diameter of Borehole (	2.5	Building Location E	l D	Pepth to Water and Elasped Time (ft bgs) Not measured - no well installed	)
	Orill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method  Benden C		Ground Surface Elevation (ft msl) TBD	
	Oriller's Na	me	1-1		Sampler Type		Northing	TBD	Easting	TBD
t	_ocation/Co	mment	8 8	, , , , , , , , , , , , , , , , , , ,	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	Intered? (Y	<u> </u>	-0
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	ر <u>چ</u>	ery (	Ê	se Te	, <u>o</u>	MATERIAL DESCI	RIPTION		DEMARKO	
	Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol				REMARKS	
Ī		_	74	37.0	CONC	0.0-0.5: Concrete		1400	Begin drilling ; prc o 1436	
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Bor	URS ing			Project		3 Site - Stage 1 Investigation	Log of Boring		
Date(s)			-	Logged	Number:  Geoffrey Uhlemann	41569671	Тур	e: Perimeter Shallow Deep Step (	
Prilled	3/	17/2	2014	Ву	URS Corporation	Total Depth of Borehole (ft)		Depth to Water (ft bgs)  Not Encountered	
rilling fethod	. 11	DPT		Diameter o Borehole (i	2.5	Building Location	De	epth to Water and Elasped Time (ft bgs)  Not measured - no well installed	
Orill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD	
Priller's Na	me	E	2	Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encou	TBD	Easting T	
ocation/Co	nment			1.77-	acetate sieeves (Macrocore)	Visual Contamination Encot	intered? (T(N	,	
	S	AMPL	ES				Miles .		
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol	MATERIAL DESC	RIPTION		REMARKS	
W.E.		NF		Cool	o-0.5: Concrete		1420	Begin drilling 11443 protection	
1 11 21 2			11/0		-0.5-5.0: Southy Gib - fight to - noticeday softy for physhology - increasing framess	nehre breeze most	pres gre	elly some, but graph brown	
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	500	0	x	ML	- 8044	-			
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	URS			Project   Client:	Name: Moline Street PCE	3 Site - Stage 1 Investigation		Log of Bor
Bor	ıng	Log	7	Project !	Number:	41569671	Ту	pe: Perimeter Shallow Deep Ste
Date(s)	3/	17/2	014	Logged	Geoffrey Uhlemann	Total Depth of		Depth to Water (ft bgs)
Driiled rilling		DPT	.014	By Diameter o	URS Corporation	Borehole (ft) 5		Not Encountered
Method		<u> </u>		Borehole (i	2.5	F		epth to Water and Elasped Time (ft bgs) Not measured - no well installed
Drill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method	77	Ground Surface Elevation (ft msl) TBD
Driller's Nar	me	-	EC	Sampler Type		Northing	TBD	Easting
Location/Con	mments			Type	acetate sleeves (Macrocore)	Visual Contamination Encou	intered? (Y/	9
							- Company	The state of the s
V VI	-	MPL	_ES		1.15			
- m	Recovery (ft)	€	s 76	. 5	MATERIAL DESC	RIPTION		7
Depth (ft-bgs)	SOVE	PID (ppm)	Samples Collected	USCS Symbol			644	REMARKS
ے ق	å	E .	လ လ လ		0-0.5. Concrete	Cone	cone fi	Begin drilling; 1510 protore
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1		UR:	S		Project Client:	Name: Moline Street PCE	Site - Stage 1 Investigation	Log of Boring
	Boi	ring	Log	g	_	Number:	TDCC	SB- (2
F							41569671	Type: Perimeter Shallow Deep Step Ou
	e(s) lied	3	117	2014	Logged By	Geoffrey Uhlemann  URS Corporation	Total Depth of Sorehole (ft)	Depth to Water (ft bgs)  Not Encountered
Met	lling thod		DPT		Diameter of Borehole	2.5	Building Location	Depth to Water and Elasped Time (ft bgs)  Not measured - no well installed
Dril	II Rig	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method Bentunic	Ground Surface Elevation (ft mal) TBD
	iler's Na	me	N		Sampier		Northing	TBD Easting TB
Loc	ation/Co	mment		-(	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	intered? (Y/N)
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			AMP	LES				
	<b>⊕</b>	Recovery (ft)	2	, D	5	MATERIAL DESC	RIPTION	
들	(ft-bgs)	o e	PID (ppm)	Samples Collected	USCS	WATERIAL DESCRI		REMARKS
å	ŧ)	Rec	ald	San	US Sy	the state of the s	Co	reflection ne coretine 14:37 1445 ABegin drilling; pro @ 1537
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		יייי	^		Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation	AND DESCRIPTION OF THE PARTY OF	Log of Bo	oring
		URS		- 1	Client:	I I I I I I I I I I I I I I I I I I I	TDCC		SB- 13	55
ì	Boi	ring	LO	7	Project	Number:	41569671			Step Out
ľ	Date(s)	3.	117/2	014	Logged	Geoffrey Uhlemann	Total Depth of	1 th	Depth to Water (ft bgs)	
щ	orilled rilling	- J	DPT	.014	By Diameter o	URS Corporation	Borehole (ft) 5. C		Not Encountered	
	ethod	1	DFI		Borehole (	2.5	Building Location	De	epth to Water and Elasped Time (ft bgs) Not measured - no well installed	
	Orill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD	
	Driller's Na	me			Sampler		Northing		Easting	TBD
ŀ	Location/Co	mment	S Feet	<u> </u>	Туре	acetate sleeves (Macrocore)	Visual Contamination Encoun	ntered? (Y/N)		
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ı		£)	. 10					1 -1 1		fil =
ı	Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS	MATERIAL DESC	RIPTION		REMARKS	
ı	중국	00	<u>0</u>	amp	USCS		Conc C	Collection	14.45	
l		-	۵.	60	Cone	0-0.5: Concrete			Begin drilling - no picture taken	
ı		×	0		28.00	0.5-5.0: Sandy (11+ - beneate by	and Just been	1 me-1		- 16
ı			-	4.22		0.5-5.0: Souty filt - towns to be 51. morst, moderately from, slight player, set 16 for to and go	- Copyrapan of L	me-"	n o Bridge	
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URS Boring Log				Project Client:	77.	Log of Borin SB- ૧૧			
	9				Number:	Type: Perimeter Shallow Deep Step C			
Date(s) Orilled	3	171	2014	Logged By	Geoffrey Uhlemann  URS Corporation	Total Depth of Borehole (ft) 5	٥	Depth to Water (ft bgs)  Not Encountered	11
rilling fethod		DPT		Diameter o Borehole (	2.5	Building Location		Water and Elasped Time (ft bgs) at measured - no well installed	
Drill Rig Geoprobe				Drilling Company	Alpine Remediation	Abandonment Method  Bendant-C	Grou	and Surface Elevation (ft msl) TBD	J
riller's Na	me	E	C	Sampler Type		Northing Visual Contamination Encou	TBD Easting TB		
ocation/Co	mment			[.ypc	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered? (YN)		Т
		AMPI	LES						
<u>. (s</u>	Recovery (ft)	Ê	es ted	, <u>o</u>	MATERIAL DESCI	RIPTION	REMARKS		
Depth (ft-bgs)	COV	PID (ppm)	Samples Collected	USCS					
<u>5 €</u>	8	<u>=</u>	ဖို့ ပိ		0-0.5. Concrete	Lone Con	1510 Begin	drilling; 1608 preture	
. 7 I		0		Cone					
- en: 2		14	13.		- 0.5-5.0; Sandy filt - hanashlo court to v. mist, lay to highly het gr. I chocolate brown, very sub, highly	bought entitle p -	- nucl laner	(panymed)	
		0	3.17		I chocolate boson, very suly, high	photo _			
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	RS ng Log	,	Project N		Log of Boring				
			Project Number: 41569671				Type: Perimeter (Shallow) Deep Step Out		
Date(s) Drilled	3/ 17 1/2	014	Logged By	Geoffrey Uhlemann URS Corporation	Total Depth of Borehole (ft) 5.6	9	Depth to Water (ft bgs)  Not Encountered		
rilling lethod	DPT		Diameter of Borehole (in	2.5	Building Location	De	epth to Water and Elasped Time (ft bgs)  Not measured - no well installed		
rill Rig Ge	oprobe ·		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD		
riller's Name		4	Sampler		Northing	TBD	Easting TE		
ocation/Comm	nents		Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered? (Y/N)			
	CAMPI	50							
(ft-bgs)	Recovery (ft) PID (ppm) Samples Collected		USCS Symbol	MATERIAL DESC	RIPTION  Core core collabor to	REMARKS			
2	1A-	\\ \a\ \a\ \\ \a.#	Cone	- 0-3.0: Concrete - starbet		collected	Begin drilling - use starbet as the core barrel didn't puntate slab  comple of counte districtings  put drilling/starbit; 3ft of concrete  3/18/14; longer drilling/sampling = 0711		
4	740 00.11	<i>y</i>	sm ML	73.0 - 5.0. Soudy Sitt - light/red to mint pusher, duclide burn, such is highly pusher, strain soudy zone, non - light/rud brown, soudy zone, non - love/soft	-bragge st mouse -		stopped dilly		
6   1   1   1   1   1   1   1   1   1									

URS Boring Log				Project	Name: Moline Street PCE	Log of Boring			
Boi	ring	Log	7	Project	Number:	41569671	Type: Perimeter Shallow Deep Step		
ate(s)	3,	17/2	014	Logged	Geoffrey Uhlemann	Total Depth of	Depth to Water (ft bgs)		
rilled rilling	BQ N.			By Diameter o	URS Corporation	Borehole (ft) 5.0 Building Location	Not Encountered  Depth to Water and Elasped Time (ft bgs)		
Method Drill Rig				Borehole (i	in) 2.5	Abandonment Method	Not measured - no well installed  Ground Surface Elevation (ft msl)		
<b>/</b> ре	Geopro	be		Company	Alpine Remediation	Bentonite	TBD		
riller's Na	me		EC	Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encour	TBD Easting		
cation/Co	mment	8				V. 1			
SAMPLES			.ES			100			
<u> </u>	(#)			_	r. 1				
(ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS	MATERIAL DESC	RIPTION	REMARKS		
<b>₩</b>	Reco	PID (	Sam	USCS		Cone cone col	ledon the 14:55		
-		NA		Cone	0.0 - 0.5. concrete		ledon to 14:35 1525 Begin drilling; france as 1614		
		1			-0.5-2.0: Sunty Silt - Which is gran	- Cress, change	of Granel lager		
		,	4	ML	- O.S- 2.0: Such Silt - blek of grander, notwork from, notwork	) I may fine to -	ghroung about		
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	5	1	- 1		2.0-3.0: Sith any - dark store	brown questo, Firm, -			
			×	CH	- which bosses,	_	1		
. 1		0	•		-3.0-5.8: Souty silt - grappe	toward pure , may -			
4	D 11	(A)((1)	×	ML	-3.0-5.8: South 51lt - groupshe workershown 51ft, non-funtre,	fore horsel or sond -			
	i y	0		10		Take A			
	11.4		×	-y	- dark bettern		, Lullon		
142 4 W F (	d (Grips	Stirmin	in the tanks	200121111111111111111111111111111111111			1530 Stopped dullby		
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	UR	S		Project Name: Moline Street PCB Site - Stage 1 Investigation Client: TDCC				99		
Boi	ring	Log	7					SB- 17	p Step Out	
					AND THE RESERVE OF THE PARTY OF		41569671 Type: Perimeter Shallow Deep			
Date(s) Drilled	3	118 12		Logged By	Geoffrey Uhlemann URS Corporation	Total Depth of Borehole (ft) 5. D		Depth to Water (ft bgs)  Not Encountered		
rilling	_	DPT		Diameter of Borehoie ( Drilling	2.5	Building Location	D	epth to Water and Elasped Time (ft bgs) Not measured - no well installed		
Driil Rig Type	- Geoprope				Alpine Remediation	Abandonment Method  Rendon + C		Ground Surface Elevation (ft msl) TBD		
Driller's Na	Driller's Name				anatata alaawaa (Maranana)	Northing Visual Contamination Encou	TBD Easting TB			
Location/Co	mment		<u></u>	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered / (LAN			
	S	AMPI	ES					The state of the s	No.	
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₽ (g)	Very	(md	ples	လ ရှ	MATERIAL DESC	RIPTION		REMARKS		
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS		cone cone col	restruction to	Begin drilling 1 pre at 1148		
		NA		Conc	0-0.5: Concrete		1051	Begin drilling ; pre at 1148		
		NA		_	No recovery	-				
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1 -	3			5M						
	d C	0	×		moster ned ogs.					
			7.		3.25-5.0: Clayer Silf- hours	brown, wet, soft,				
4_		0	XIII.	1-45	- highly physics,	<u></u>	1			
		A.	2.39	MH	3.25-5.0: Clayer Silt- founder ! - highly paster; - incouring southers 1 gray strand gave, strong other, st	net, phodus -	pictur as	+ 1148 of strand statement		
		0	2601	18981 - 1914			1055	Stoppet billby		
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Ba	URS Boring Log				Name: Moline Street PCE	Log of Borin			
Во	ring	LO	9	Project	Number:	Type: Perimeter Shallow Deep Step Ou			
Date(s)	Date(s) 3/ 1 8 /2014 Drilled				Geoffrey Uhlemann URS Corporation	Total Depth of		Depth to Water (ft bgs)	
rilling	rilling DPT				of 2.5	Borehole (ft)  Building Location		Pot Encountered  epth to Water and Elasped Time (ft bgs)  Not measured - no well installed	
Drill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD	
Driller's Na	me EC	2010/24		Sampier		Northing	TBD Easting T		
Location/Co		8		Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered? (YA	1)	
Depth (ft-bgs)	Recovery (ft) Samples Collected		Samples Collected	USCS Symbol	MATERIAL DESC		REMARKS  De collection the 8:20  - 0900 Begin drilling; pri e 0933		
		74		Cone	0-0.5. Conerelle		0900	Begin drilling ; pro e 0933	
-		0	2.29		-0.5-15: Sitty send: oranged bow -Fine to a course gr., rub my H s	my in the second			
2_	4.5	0	×	MH	1.5-2.5: Suby filt: chocolate tom. phasticity, moderately firm, free g	m) st most, hype			
		0	di		2.5-4.0: Silty day: docolule forman	181 most, wally .			
-	4	0	×	CH	- bortage, married from				
y / . / .		0	×	ML	4.0-5.0: Siff! lytte Jule lang	no to law playourty,	I who a	sum, saw a fre graded sum, saw a fre graded	
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UR: Boring		Project N Client:	ame: Moline Street PCB	Site - Stage 1 Investigation	Log of Borin			
Donnig	LUG	Project N	lumber:	41569671	Type: Perimeter Shallow Deep Step C			
Date(s) 3 Drilled	18 /2014	Logged By	Geoffrey Uhlemann URS Corporation	Total Depth of Borehole (ft) 4.5	Depth to Water (ft bgs)  Not Encountered			
rilling Aethod	DPT	Diameter of Borehole (in	2.5	Building Location  D	Depth to Water and Eiasped Time (ft bgs) Not measured - no well installed			
Orill Rig Geopro	be	Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft msi) TBD			
riller's Name	59, AS	Sampler Type		Northing Visual Contamination Encou	TBD Easting TI			
ocation/Comment	8		acetate sleeves (Macrocore)	Visual Contamination Encou	urered (1(N))			
	AMPLES							
Depth (ft-bgs) Recovery (ft)	PID (ppm)	Collected USCS Symbol	MATERIAL DESCI		REMARKS			
10	NA II G	) 12 Conc 28	Stuck		ISIS callect sample of concrde dut  stapped structure of stuck bit on  3/18/14 + 3/19/14, but sonbuccusful -  leave in place			

URS Boring Log				Project	Name: Moline Street PCE	Site - Stage 1 investigation	Log of Boring			
Boi	ring	Log	9		Number:	TDCC 41569671	SB- 7-0  Type: Perimeter Shallow Deep Step 0			
Dato(a)					Geoffrey Uhlemann					
Date(s) Drilled	3.	118 12	014	Logged By	URS Corporation	Total Depth of Borehole (ft) 5.0	Depth to Water (ft bgs)  Not Encountered			
rilling Method		DPT		Diameter o Borehole (i	2.5	Building Location	Depth to Water and Elasped Time (ft bgs) Not measured - no well installed			
Orill Rig Type	Geopro	be	10.27	Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft msi) TBD			
Driller's Na	me	E	C	Sampler Type			TBD Easting T			
ocation/Co	mment			1.300	acetate sleeves (Macrocore)	Visual Contamination Encour	urered / (YM)			
	S	AMPI	FS			100	I			
Depth (ft-bgs)	very	(md	cted	Silod	MATERIAL DESCI	RIPTION	REMARKS			
t-b	Recovery (ft)	(mdd) Gld	Samples Collected	USCS Symbol		Cont. Com all	14.1.7.			
	_		0, 0	Cone	0-0.5: Contrete	www Che ale	1006 Begin drilling; preture 1041			
	3	0			- 0-5 -2.75 sity soud - 1941/med to	mon, motentely dese, -	Sample collected at 1050			
					- Sight phopos for to hat grow,	damp	Sample collected at 1050			
, -	3,75	0	3.57	SM		-				
2	3.75									
_		0	×							
-					2.75-4.25: Clay Elt - med/dat	man, damp, moderning				
		0	×	CH						
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	17	0	×	ML	4.25-5.0: Such Silt - toush HI- moderally loose, st. place, for to	Let de england	, viliani,			
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	URS Boring Log				Name: Moline Street PCE	3 Site - Stage 1 Investigation		Log of Boring
Boi			,	Client:		TDCC		SB- 21
	9			Project	Number:	41569671	Тур	e: Perimeter Shallow Deep Step Out
Date(s) Drilled	3	17/2	2014	Logged By	Geoffrey Uhlemann URS Corporation	Total Depth of Borehole (ft) 5. 0		Depth to Water (ft bgs)
rilling	- 1	DPT		Diameter of Borehole (	of 2.5	Building Location	De	Not Encountered  epth to Water and Elasped Time (ft bgs)  Not measured - no well installed
Drill Rig Type	Geopro	be		Drilling	Alpine Remediation	Abandonment Method  Review: +C		Ground Surface Elevation (ft msl) TBD
Driller's Na	me	-0		Company Sampler		Northing	TBD	Easting TBD
Location/Co	mment	EC		Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered? (Y/N	
	10							
		AMPI	ES					
	Recovery (ft)		15	_	MATERIAL RECO	DIDTION	4	
ogs ogs	ver	ppm)	ples	လွှင့်	MATERIAL DESC	RIPTION		REMARKS
Depth (ft-bgs)	Reco	РІО (ррт)	Samples Collected	USCS Symbol		CON. CON. LA	look time	1510
-		NA		Conc	0-0.5: Concrete	-	1540	Begin drilling; 1636 protest
-		1,000	an i	_	-0.5-50; such sit + toward bor -st to v. most, low to hope your	on to duk bring.		*
-		0	4.55		- St. to v. mosty law to hope you	Arching south 10 fine -		
	4							
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	URS	S		Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation	97)	Log of Boring
			. 1	Client:	8 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1	TDCC		SB- 22
Boi	ring	LOG		Project	Number:	41569671	Тур	e: Perimeter Shallow Deep Step Out
Date(s)	2	18 /2	014	Logged	Geoffrey Uhlemann	Total Depth of	100	Depth to Water (ft bgs)
rilled	3	abbit as	.014	Ву	URS Corporation	Borehole (ft) 5		Not Encountered
rilling		DPT		Diameter of Borehole (	2.5	Building Location	De	epth to Water and Elasped Time (ft bgs) Not measured - no well installed
Drill Rig	Geopro	be	N. T.	Drilling	Alpine Remediation	Abandonment Method	vziti.c	Ground Surface Elevation (ft msl)
Type Driller's Na	me	-		Company Sampler		Bentonite Northing	TBD	TBD TBD
		_E	2	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou		
Location/Co	mment	3						
	SAMPLES							340
[ c (g)	Recovery (ft)	Ê	8 P	, ō	MATERIAL DESC	RIPTION		The second secon
Depth (ft-bgs)	) ove	PID (ppm)	Samples Collected	USCS				REMARKS
2 €	Rec	8	Sar	S G		cone cope coll	edun tri	× 948
-		NA		Cone	0-0.5. Conerate		1018	Begin drilling   pr @ 1051
1 -	10		_		-05-5.0: comby sitt - yellow toms	home so dad been	11941	ad boom, med-hosp photolog
		0	5388	MA	- 21. Le acus words 2 Whop is adon to	many the power of	1	
-	шш		Se dell'				5	Begin drilling; pr @ 1051  wh brown, mad-hop photology  B -22-1 collected at
2	45	0	×		<u> </u>		1 "	1055
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	***			Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation	Log of Boring
	UR			Client:		TDCC	SB- 23
ВО	ring	Log	7	Project	Number:	41569671	Type: Perimeter Shallow Deep Step Ou
Date(s)	3	/19 /2	2014	Logged	Geoffrey Uhlemann	Total Depth of	Depth to Water (ft bgs)
Drilled rilling		DPT		By Diameter of	URS Corporation of 2.5	Borehole (ft)  Building Location	Not Encountered  Depth to Water and Elasped Time (ft bgs)
Method Drill Rig	13/575			Borehole (	in)	Abandonment Method	Not measured - no well installed  Ground Surface Elevation (ft msl)
Туре	Geopro	be		Company	Alpine Remediation	Bentonite	TBD
Driller's Na			≡C_	Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encou	TBD Easting TBD ntered?(Y)N)
Location/Co	omment	8					
	S	AMPI	ES	17, 1			[
	y (ft)			_	MATERIAL DECO		
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS	MATERIAL DESCI	RIPTION	REMARKS
TE DE	Rec	PID (	Sam	USCS		Cone come	collection fine 1035
			,		- 0-3.0: Concrete - Sturbit h 3'		1105 Begin drilling
		NA	\		21 mart 11 3	10.00	
	NA	Jate	10.5	Cone		15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	SB-23-3 collected at
2			10.5			101	1455
		N	(			X 3 2 = 1	1582
	ر ر					-	1115 stopped storbit pic of 3-5'e 1448; stort dillinge 1405
1110.00		1	3.01	MH	3.0-3.5: South 51H - grappy brown 000 - Irakt flower , moderating to 3.5-4.5: 5: His Clay - med dark bro ghist, broken plants, fromt 6 hor	of photosty, six andge	3.19.14
4_	2/2	0	×	CH	H	.0	
	CPA G		~	M	4.5-5.0; souly sill. mel fact bor	und damp, roterely	distance in the
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	UR			Project Client:	Name: Moline Street PCI	B Site - Stage 1 Investigation		Log of Bo	ring
Во	ring	Log	9		Number:	41569671			tep Out
Date(s)				Logged	Geoffrey Uhlemann	Total Denth of	.,,,,		ep Out
Orilled	3	18/2		Ву	URS Corporation	Borehole (ft) 5.0		Depth to Water (ft bgs)  Not Encountered	
rilling Method		DPT		Diameter of Borehole (	2.5	Building Location	De	pth to Water and Elasped Time (ft bgs) Not measured - no well installed	
Drill Rig Type	Geopro	obe		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD	
Driller's Na	ame	12	EC	Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encou		Easting	TBD
Location/Co	omment			.,,,,	acetate sieeves (Macrocore)	Visual Containmation Encou	ntereur (10)		_
	Q	AMPI	FQ				r		
	_	AWIE		1					
e (ŝ	Recovery (ft)	Ē	les ted	Solo	MATERIAL DESC	RIPTION		REMARKS	
Depth (ft-bgs)	S CO	PID (ppm)	Samples Collected	USCS			0.4		
	- E		Ø 0	Conc	0-0.5: Concrete	Cone cone	1032	fre 1002 Begin drilling; pre 1113	10,51
<b>1</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		NA	W.	-50,000	-0.5-20: Emby Filt - and I have been plant sty, minutely soft, fine of	m, st. most low		2115 11-413	4
-	0	0	-84	ML	plasticky, hadridy soft, fine of	s and	SB-2	74-1.5 collected a	j.
-	200	(	3,51	n 10		11.54 - 1.4 <u>4</u>	1	1120	
2_	325	0			2-0 - U.D.; Cilly Clan; almost brown		1		
-	1			CH	- form, highly photos chorolade bros	- Lagrand Magazina			
-	1	0	x	MIL					
_									
4		0			110-60 (5)				
		0	×	ML	4.0-5.0 : Early Fill - put in brown goth, los protecting, soul or fine to	way of magning -			
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	URS	S		Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation	Log of Borin
Bor			a	Client:		TDCC	SB- 25
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Date(s) Orilled	3.	19 /2	2014	Logged	Geoffrey Uhlemann  URS Corporation	Total Depth of Borehole (ft)	Depth to Water (ft bgs)
rilling Method		DPT		Diameter of Borehole (i	of 2.5	Building Location	Depth to Water and Elasped Time (ft bgs)  Not measured - no well installed
rill Dia	Geopro	be	91.239	Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft msl) TBD
Driller's Na	ne	EC		Sampler		Northing	TBD Easting Ti
.ocatlon/Cor	nment		-	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	untered? (VN)
						783	
		AMPI	LES				
<u>~</u>	Recovery (ft)		" <del>"</del>	_	MATERIAL DESC	RIPTION	
pg	over	PID (ppm)	Samples Collected	USCS	WATERIAL DESCRI	INIT HON	REMARKS
Depth (ft-bgs)	Rec	) QIA	Sarr	US		conc coe a	alledon the 1030
- 1712				Ev. T	- 0-5.0 : Concrete - Sturbi	+	- 1 (20 Begin drilling - Start of)
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2_	AU	NA	′	Conc	E	_	
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			1.00		_		+
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_, =	75						
19	ij.		100	iliza II.			Na.
		18	)		-	- 1 × 1 × 2	Tions should show bit
and the Value of the Control	1000	-11-1-1	4.17/14/5.0017			La son chess	140 of 5-10-10 1502: stacked dellinge 1415
6		1.5	3.34	MH	-5-6. Clarges Silt - heaving blow w. mover, seft, highly plastic, v.	strong oder, trace _	1205 stopped she bit  pre of 5-10° @ 1502; should dellinge 1415 3.19.14  5B-25-5.5 collected
•=	3/3	0	3.17		6.0-10.0: Sout - yellowthe brown,	damp- st mast, fine	at 1510
7	3		3.1	SW	- wer di ben denter		
7				"	- better sorting, me or size		1
		0	X			-	-
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- E					Not recovered, they the	fore sand -	
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	URS			Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation		Log of Bor	ring
Boi	ring	Log	9		Number:	41569671		SB- 26 e: Perimeter Shallow Deep Ste	ep Ou
Date(s)	,	18 12	2014	Logged	Geoffrey Uhlemann	Total Depth of		Depth to Water (ft bgs)	
Orilled rilling	3	DPT		By Diameter of	URS Corporation	Borehole (ft) 5.6	т .	Not Encountered	
Method		Dr.		Borehole (	2.5	Building Location D	De	epth to Water and Elasped Time (ft bgs)  Not measured - no well installed	
Drill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msl) TBD	
Driller's Na	me	EC		Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encou		Easting	TBE
Location/Co				.,,,,	acetate sieeves (Macrocore)	Visual Contamination Encou	ntereur (DN)		19
	0	AMPI	EC			white and the second			
		AIVIP	LES						
ر ق	Recovery (ft)	Ê	ted ted	80	MATERIAL DESCI	RIPTION	VIII	REMARKS	
Depth (ft-bgs)	)C0	PID (ppm)	Samples Collected	USCS					
Δŧ	ř		w c		0-0.5: Concrete	uniconeo	1221	Fine 1250  Begin drilling   Pice 1435	, U
BHI Z		2		Cone	05-25: 811/ 5-1 - forming brown	hith laws strictly		16.05 (133)	
	1000	9	14		- 0.5-25: Silly set - township from platery fine to v. course of mysel costed, froght starry at our	~ 12 employ bound -			
-	15	g	6.55	SM	- sorted, fight story at our	a gradung -			
2	3/15	3							
1,44	5	2	4.0		-2.5-5.0: Silf - dork toron with - survey, permy other, moderately re	goon + Back gray -	11.4		
_			4.76	ML	- shows , throng other, molerally to	Day low presents _	المسر ا		
_		ч	77	mit	I clayer some, with districting				
4_		and a	ikase		Clayer some, with shorter				
		8	6.19	m	-1 suny some				
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_	URS Boring Log				Name: Moline Street PCE	Log of Boring SB- みそ		
Bo	ring	Log	7	Project I	Number:	TDCC 41569671	\	Perimeter Shallow Deep Step O
Date(s)	3	18 12	2014	Logged	Geoffrey Uhlemann	Total Depth of 5.3	T	Depth to Water (ft bgs)
Drilled rilling		DPT		By Diameter o	URS Corporation  1 2.5	Borehole (ft)	Depth	Not Encountered n to Water and Elasped Time (ft bgs)
Method Drill Rig	Geopro	bo		Borehole (i Drilling	Alpine Remediation	Abandonment Method	+	Not measured - no well installed round Surface Elevation (ft msl)
Type Driller's N		ю		Company Sampler		Benton te Northing		TBD TE
Location/C	ec_		20 2 1	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou		
Location	omment							
Depth (ft-bgs)	Recovery (#)	M (wdd) QId	Samples M Collected	USCS Symbol	MATERIAL DESC		Il a itom to	REMARKS
	+	_	8,0	Cone	0-0.5: Concrete	an area	1045 Be	ine 1015 gin drilling; preture 1129
-	225	0	1.58	SM	_ 0.5-1,5 : Silty soud - and grayor to substitute,	loose, non-plootic -		
2_	325	0	8	WL	- 1.5 - 5.0: Suby Elt - tomorboo Goft, low to waterde photohy,	South & Frehwed gr		
4_		0	8	mH	T clayer, wherm, dark gray, sol	t, highly phaghic		
)		0	*	1/	-	-	1050 sh	yes Jully
6_		W.				-		
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8_			100			<u> </u>		
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Bo	UR			Project Client:	Name: Moline Street PCE	3 Site - Stage 1 Investigation				
Во	ring	LO		Project	Number:	41569671	Тур	e: Perimeter Shallow Deep		Step Out
Date(s) Drilled	3	18 /2	2014	Logged By	Geoffrey Uhlemann  URS Corporation	Total Depth of Borehole (ft) 5			h to Water (ft bgs)	
rilling		DPT		Diameter o	of 2.5	Building Location	D	epth to Water and	lot Encountered Elasped Time (ft bg	s)
Method Drill Rig	Geopro	nhe		Borehole ( Drilling	Alpine Remediation	Abandonment Method			no well installed  Elevation (ft msl)	-
Type Driller's Na	- 65			Company Sampler	7 spire Hemodiation	Bendonte Northing	TBD	Easting	BD	TBD
Location/Co	mment	EC	,	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou				
Location	Jillillen		1711							
	-	AMPI	LES							
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS	MATERIAL DESCI	RIPTION	7	REM.	ARKS	
Depth (ft-bgs	Reco	PID (I	Sam	USCS		Come come coll	edm-	for 1515		
	-	24		Conc	0-0.5: Concrete	-	1545	Begin drilling	J-1636	
-		6		ML	-0.5-4.0: such sitt - peder dor noterolary forms low planety; -1 clayer your, less parts, rom proper	brown, st mat,				
		0	7.32		ET clayer gone, less find, more profese	2				
2_	3/5		100	mt	E	- 1 / L				
	5	0				_				
			×	ML	- SAR					
		0								
4_					-					
		0	×	SM	- 4.0 -50: Sity soul - melus bo	un, st most, base,	OKALINA			
_			1/4/11/00	de la	<u> </u>		1550 St	ber July		
7 -						<u>.</u>	1	"		
6_										
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The state of the s	URS			Project I	Name: Moline Street PCE	3 Site - Stage 1 Investigation	SB-	Log of Boring ৯৭
Bor	ing i	Log		Project i	Number:	41569671	Type: P	7 35
Date(s)	3/	19 /2	014	Logged	Geoffrey Uhlemann	Total Depth of Borehole (ff) 5.0		Depth to Water (ft bgs)
Orilled rilling	- 6	DPT		By Diameter o	URS Corporation	Borehole (ft) 5.0 Building Location	Depth to	Not Encountered Water and Elasped Time (ft bgs)
Method Drill Rig				Borehole (i	2.5	В	Not	measured - no well installed
Type (	Geoprob	e		Drilling Company	Alpine Remediation	Abandonment Method	Grou	nd Surface Elevation (ft msl) TBD
Driller's Nan	ne	E(	5	Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encou	TBD Eastin	g TBC
Location/Con	nments				assizio disersa (masicolo)			
T	SA	MPL	FS				AU	***
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol	MATERIAL DESC		calleton to	REMARKS
		-	<i>s</i> 0		-0-3.0: Concre	conc core	120 Begin o	Irilling - Starbit
2	NA	NA	3.55	Conc	Useh storbih			bte 1340
4_	2	ı	17.8		- 3.0 - 4.0: sitt at a grangerian - st. merity st. plants, fine to make		pie of eare	@ 1519; 1440 stack dalling
	2	1	×	MH	- 4.6-5.0 : South Sith - grays	right photosty		
6							1445Stopped 2	

	URS			Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation	Log of Boring		
Bor	ing	Log	7		Number:	.41569671	Тур	De: Perimeter Shallow Deep Step Ou	
Date(s)	3/	19 /2	2014	Logged	Geoffrey Uhlemann	Total Depth of 5.1		Depth to Water (ft bgs)	
rilled rilling Method		DPT		Diameter o	2.5	Building Location		Not Encountered epth to Water and Elasped Time (ft bgs) Not measured - no well installed	
III Dia	Geoprol	be		Borehole (i Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft msi)	
iller's Na	me	=	<u>e</u>	Sampler		Northing	TBD	Easting TE	
ocation/Co	mments			Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered?	<b>)</b> jan <sup>it</sup>	
	SA	MPI	_ES			alian market			
(ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol	MATERIAL DESCI	RIPTION		REMARKS	
Uepth (ft-bgs	Reco	PID (F	Sam	USCS		Conc cone	collect	m fine 1215 Begin drilling - gardet	
2	NA	NA	5.25	Conc	- 0-3.0: Concrete		1300 s	-30-3 collected at	
4	2/2	0	5.89 FD 5.59	ML	- 3.0 - 5.0 : Souly Silt - light gr - moderately stepp for planticity	Leions 13 Courses alle	4		
6							1425 54	ppad drilling	
16								**	

	UR			Project Client:	Name: Moline Street PCB Sit	te - Stage 1 Investigation	Log of Bori
Bor	ring	Lo	9	Project	Number:	41569671	Type: Perimeter Shallow Deep Step
Date(s)	3	V 18 /	2014	Logged		tal Depth of 9.0	Depth to Water (ft bgs)
orilled rilling		DPT					Not Encountered
Method				Borehole (	2.5	Building Location	Depth to Water and Elasped Time (ft bgs)  Not measured - no well installed
Drill Rig Geoprobe				Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft msl) TBD
Driller's Name				Sampler Northing			TBD Easting
Location/Cor	mment		7 **-	Туре	The state of the s	sual Contamination Encou	untered? (ÝN)
in stra		of the same		~ 6" ,6	soil/nederal	mile a	
		AMP	LES			71	
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS	MATERIAL DESCRIP	W.F.	REMARKS
	<u> </u>	AU1	99	Cone	0-0.5: Coverte + surface soil/note	with copy to	lette 1310  1310 Begin drilling 'pue 1414  1520 collection from current stal
		,		117	LOS-5.5 : Such FIX - med July lan	are, durp,	
-	4 1 11	0		ML	-0.5-5.5: Such Filt - rich dute land	10 Free metoy-	SB-31-0.5
E No. 1	2		3.28				
2_	3/5	0	. 18	= 1			
	J	91					
		0	×	ML	Ta closes Due, dut christe brown por	at, pudic -	
101		2		MH	of clayer som, dut chushle brown now organista		
4_		12.8		ML	to prove should see, show of	er, _	Pil at 1414
7		2	8/36	13			
) Marine -	-	. (°).	100	all todays, ill some	Z san in the same of the same	A Almin C	pic of may 5' at 1422
		1	×		- Description states 1 - 2 - 2 - 2	man march	
6_		A	1 11 11880		5.5-9.0: Sunt - light upllowing to moderately losse, fine to mad gr, to forted	ne silt, motorally_	
	25	Q		SW	- Soutes	- M	
1	3.5		×				
	4	0	^		- silly lamec		
8							<u> </u>
	1	0					
71			X			at the second	1350 Stopped drilling
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			E III			(a)	
16			118	N .			-

		UR			Project Client:	Name: Moline Street PCE	10.00	Log of Boring		
	Boi	ing	Log	9	Project	Number:	41569671	Тур	pe: Perimeter Shallow Deep Step Ou	
Date(		3	1 18 /2	2014	Logged	Geoffrey Uhlemann	Total Depth of 5.0	Depth to Water (ft bgs)		
Drille rillir			DPT		By Diameter of	URS Corporation of 2.5	Borehole (ft) りい		Not Encountered epth to Water and Elasped Time (ft bgs)	
	Method Drill Rig				Borehole ( Drilling	in)	Abandonment Method		Not measured - no well installed  Ground Surface Elevation (ft msl)	
Туре	Tably!	Geopro	bbe		Company	Alpine Remediation	Bentranke		TBD	
	r's Na		E(		Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encor		Easting TBI	
Locat	Location/Comments									
	SAMPLES		LES							
		/ (ft)		_						
ਛੁੰ	ggs	very	(mdc	ples	ဗွ မို	MATERIAL DESC	RIPTION		REMARKS	
Depth	E E	Recovery (ft)	PID (ppm)	Samples Collected	USCS		Cont. Come . Co	Nexton 1	in 910	
		-		NA	Conc	0-0.5: Concrete	700 010 00	0940	Begin drilling; pre 1007	
1			2.5			0.5-2.25; South Sift - bush store most, strong oder, mobile place mobiled from	med (lidnet + gray)		-32-1.5 collected at	
	-	511			MH	- mobiley from	gr.	SB	-32-1.5 collected on	
	2		2.5	473			1 1 1 2		1015	
×		4		10		- 25 - 25: 51h Clarench 11.1	-	~=		
		′)	0	4.18	сн	2.25-3.5: Sitty Chan charlet	2 mars 2 mars 1			
8			)	30.11	Сн		<u> </u>	1		
(4 Det	4		0	X		3.5-5.0: Bilty Sunt - light char moderally dense, amply phose,	whole brown, St. musty	1		
nle 1	•	H	0	7 3	SM	- 1 lake brown when	Frehnd. gr -			
	-		0	X	3	L Man area area	-			
	-	Nº Tes	1700					0945 St	opped drilling	
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	16				944			7		

	URS	S		Project	Name: Moline Street PCB	Site - Stage 1 Investigation		Log of Bo	oring
Boi	ring	Log	9		Number:	TDCC 41569671	Tvn	SB- 33 De: Perimeter Shallow Deep S	Step Out
Date(s)		Z)		Logged		Total Depth of	- 76	Depth to Water (ft bgs)	Step Out
Drilled	3.	118/2		Ву	URS Corporation	Borehole (ft) 5, 0	-	Not Encountered	
rilling Method	ė.	DPT		Diameter of Borehole (	2.5	Building Location	De	epth to Water and Elasped Time (ft bgs) Not measured - no well installed	
Drill Rig Type	Geopro	be		Drilling Alpine Remediation Abandonment Method Company		-22	Ground Surface Elevation (ft msl) TBD		
Driller's Na	me	E	C	Sampler Type		Northing		Easting	TBD
Location/Co	mment			1,700	acetate sleeves (Macrocore)	Visual Contamination Encour	itered / (TVN)	<u>)</u>	
	SAMPLES								-
	- 1	AMP	-E9						
ر اع (ش	Recovery (ft)	Œ	ted s	s log	MATERIAL DESCR	RIPTION		REMARKS	
Depth (ft-bgs)	ecov	PID (ppm)	Samples Collected	USCS		P-2- 2 II	4.15	A IST	
	Ä	₫	ഗ് വ്		0-0.5- conerde	CON Core coll	1535	Begin drilling; pice 1615	
			4 - 1	Conc		dark barrers		1600,-	
		0	ĺ.	ML	-0.5-50; Souly Sitt: Checker to low to moderate photocols, state	soul is five to	8 E		
	4	2 1	5.17		- met gr.				
2	45	0			A clause School & have been	A boll suft			
1 -			X	MH	t chargey whenh, but brown, was				
-		0		κ.	to the a west	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
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4-						· · <del>-</del>			
1 -		0	X	SA	only zone,				
)							1540 Sto	opped drilling	
1	14	5,6	K -	`.		-			
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	URS Boring Log				Name: Moline Street PCB	Site - Stage 1 Investigation	Log of Bo		
Bori	ing	Log	7	Project	Number:	41569671	Type: Perimeter Shallow Deep S		
Date(s)	3/	19 /2	2014	Logged Geoffrey Uhlemann Total Depth of		Total Depth of 5.0	Daniel Mary (fig. 1)		
Orilled		DPT		Diameter of Building Location		Dorellole (II)		Not Encountered pth to Water and Elasped Time (ft bgs	
Method Drill Rig				Borehole (	2.5	outside		Not measured - no well installed	
Туре	eoprol	be		Drilling Company	Alpine Remediation	Abandonment Method  Bentonic		Ground Surface Elevation (ft msl) TBD	
Driller's Nam	ne	E	e	Sampler Type		Northing Visual Contamination Encou	TBD Easting		
Location/Com		211							
- Outside	The Real	MPL	LES						
	£								
Depth (ft-bgs)	Recovery (ft)			USCS Symbol	MATERIAL DESCR	RIPTION		REMARKS	
는 무 G 당 연 기	360	PID (ppm)	Samples Collected	USC	Cone		let		
	-	NA.	0, 0	Conc	0-0.5: Emerete	_ con cone	0915	Begin drilling; px @ 1156	
1			1=2 T		- 0.5 - 3,5: Sundy Chypy Silt - and	inley dule brown, _			
7		0	36		-most, good, four plustarty, soul.	so the to net of, -			
2	3		14.6	ML		VI			
2_	3/5	0							
1 7					-				
-		0	×		A PARTY				
4			9		-3.5-5.0; Sand - yellande brann, to mil gr., nebenty milet,	Glephilly month, fine -			
Lane-		0		SW	- to rul gr., rubertly milel,	Andrew Control of Adva or a second of the Second			
			X	y			14		
7 1					-	-	0920 54	opped drilling	
6				3 X					
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1 7									
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		<u> </u>		Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation	Lon of Davins		
	URS			Client:	Woulde Street For	TDCC	Log of Boring		
Boi	ring	Lo	g	Project	Number:	41569671	Type: Perimeter Shallow Deep Step O		
Date(s)	3.	19 1	2014	Logged 5	wh Lave Geoffrey Unionarin	Total Depth of	Depth to Water (ft bgs)		
rilling		DPT		By Diameter of	URS Corporation of 2.5	Borehole (ft) 5.0 Building Location	Not Encountered  Depth to Water and Elasped Time (ft bgs)		
Drill Rig				Borehole (	in)	Abandonment Method	Not measured - no well installed		
Type Driller's Na	Geopro	be		Company	Alpine Remediation	Ground Surface Elevation (ft msl) TBD			
		EC		Туре	acetate sleeves (Macrocore)	Northing Visual Contamination Encou	TBD Easting TB untered? (ŶJN)		
Location/Co	mment	8		23/31/20/04					
		AMP	LES						
	y (ft)			_	MATERIAL DESC	DIDTION			
Depth (ft-bgs)	Depth (ff-bgs) Recovery (ff) PID (ppm) Samples Collected		Samples Collected	USCS Symbol			REMARKS		
무 속	Sar Pro			Sy Sy		Cone cone	collation for 900		
_			une,	Conc	- 0.0.5: Concrète		collection for 900 0930 Begin drilling; preture at 1018 (sixe simples collected)		
, <u>-</u>		0	100		- 0.8-3.5: Silingsom, it 6	rown, y diowich bearn			
-			2.47	SM		- 1.5			
2	25	0	No.	5100					
	35								
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<del>-</del>	0.0					1/			
4_		0	×	CL	- 3.5-4.75: Sanaly clay: 1+./m	- Grown			
	140			CL	- 4.15' Dark gray staining, No	- A			
)		(INVIEW			19.13 : Dark gray Staining, N	0001	0935 Stopped delling		
1 -			1						
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Be	URS Boring Log				Name: Moline Street PCE	Log of Boring	
Bol	rıng	Log	9	Project	Number:	41569671	Type: Perimeter Shallow Deep Step Ou
Date(s) Drilled	3/	18 /2		Logged Geoffrey Uhlemann By URS Corporation Diameter of		Total Depth of Borehole (ft) 5.0	THE ELECTRICAL
Method	100	Di 1		Borehole (	25	Building Location	Depth to Water and Elasped Time (ft bgs) Not measured - no well installed
Drill Rig Type	Geoprol	be		Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft mai) TBD
Driller's Na	ime	EC		Sampler Type		Northing	TBD Easting TBI
Location/Co				Туро	acetate sleeves (Macrocore)	Visual Contamination Encour	ntered ? (((7)4)
gs)	Recovery (ft)	MPI <u>E</u>	Samples (Sollected	USCS Symbol	MATERIAL DESCRIPTION		REMARKS
Depth (ft-bgs)	eco	PID (ppm)	Sollec	JSC	A STATE OF THE STA	1000 000 11	16 16
	"	NA		(000	0.+0.5: Concrete	cone core coll	1528 Begin drilling; pre 153/
2	375	9 6 2 1 6.2	3546 3546	cone mu sm	decreases story & other  4.0-50: 61th Sud- light books  11.0-50: 61th Sud- light books  12.0-50: 61th Sud- light books	and to proper brokering,	1525 Stopped distingy
6	79						

	URS				Project	Name: Moline Street PCE	3 Site - Stage 1 Investigation		Log of	Boring
E	Bori			,	Client:	Number:	TDCC	T	SB- 41  e: Perimeter Shallow Deep	Cton Out
Date(s)		-	19 /2		Logged	Geoffrey Uhlemann	41569671   Total Depth of	ТУР	Depth to Water (ft bgs)	
rilled		3/	DPT	2014	Ву	Diameter of Ruilding Location			Not Encountered	
Method Drill Rig					Borehole (	2.5	В		Not measured - no well installed	
Туре		eopro	be		Drilling Company	Alpine Remediation	Abandonment Method	TBD		
	Driller's Name				Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encou		Easting	TBD
Locatio	Location/Comments								11.2 100	II SA
-	SAMPLES			ES						
_ (s		Recovery (ft)	Ê	se	. 5	MATERIAL DESC	RIPTION			22
Depth (ft-bas)	1	COVE	PID (ppm)	Samples Collected	USCS				REMARKS	
ع م	+	æ	h/f	S NA		00.5: Corente	Lone une col	edu t	me 1115 Begin drilling; p. e at 1145	
	-		MIF	MA	Conc	0.5-1.5: Silly sunt - pulm with	in of words, a fine to	] "	71	
2	-		0	144	SM	med grow, non-photo	_			
∥ ,	2 = 3	3.5		4.91		- 1.5-5.0 = 5-4 5.14 - publisher bis	are, most, roboth.			
	7	5	0	6	ML	- 1.5-5.0 = 5mly 5.11- published by	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			2 1
	7				MH	- clayer some, highly pasts		1		
	3		0	X	PCW	FJ				
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			0	Y	ML			}		
	4			r	S-1982 - 17-79			CAID SH	opped deilling	
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URS				Project I	Name: Moline Street PCE	3 Site - Stage 1 Investigation				
Bo	ring		, [	Client:		TDCC		sb-42		
Bo	ing	LU		Project I	Number:	41569671	Type: Perimeter Shallow Deep Step O			Step Out
Date(s) Orilled	3	1 20 m	2014		Swrah Lave Gooffrey Uhlemann- URS Corporation	Total Depth of Borehole (ft) 5, 6		Depth to W		
rilling		DPT		Diameter o	f 2.5	Building Location	Depth to Water and Elasped Time (ft bgs) Not measured - no well installed			)
Drill Rig Type	Geopro	obe		Drilling Alpine Remediation Abandonment Method Company Remediation			Ground Surface Elevat	ion (ft mai)	2 200	
Driller's N	ame		C	Company Sampler	<del></del>	Northing	TBD	Easting	1 (1 K 0 0 5 0 5	TBD
Location/C	omment			Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	intered? (Y/)N	)		
- NI HELDELINGUIAN		nerole (Zine	1 10	PERSONAL PROPERTY.					1000	
	-	AMP	LES							
_ 🙃	_ <del>@</del>   <del>2</del>   <del>@</del> B		g g	MATERIAL DESCR		RIPTION				
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol			250	REMARK		
SE.	<u>*</u>	문			2 4	cone cone co	Heten	tre 902 Begin drilling 9:32		
	1		NA	Conc	- 0-0.5 · Corcrete		08.30	7:32	Pic	
-	1	0			0.5-4.0: Sandy 85H: de slight odor	ork group,				
-	1		· ·		Slight odor					
2_	1 2/		X	ML			1			- 30
_	3/5	0	4				1			
			77.71	8	3,5' : Reddish , rust looks	ng stamming -	<b>-</b>			
_	1	0			4.0-3.0 : Sitty Sed, do		1	i		
4_	1-		X		4.0-5.0 : Solty Sed, do	ukbrown 150me	\$		2	
		0		SM	- gray color, no	staining _	4			
Name in the least	e di inite	G12010	X				-025 6	stopped drilling		
	1					_	3 (500)	nopper or )		
6_	3						-			
	}									
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	7						7			
8	7				F	-	7			
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16	7			1.00			-			

rutz:

URS Boring Log				Project N Client:	ame: Moline Street PCE	Log of Boring		
Bo	rıng	LO	9	Project N	umber:	41569671	Тур	e: Perimeter Shallow Deep Step
ate(s)	3	120 1	2014	Logged S.	ALLOW Geeffrey Ublemann	Total Depth of	D	Depth to Water (ft bgs)
rilled rilling lethod		DPT		By Diameter of Borehole (in	URS Corporation 2.5	Building Location		Not Encountered epth to Water and Elasped Time (ft bgs) Not measured - no well installed
rill Rig /pe	Geopro	obe		Drilling Company	Alpine Remediation	Abandonment Method		Ground Surface Elevation (ft mal) TBD
filler's No	ame	Ė	 ≘C	Sampler N		Northing	TBD	Easting
ocation/Co	omment			1.300	acetate sleeves (Macrocore)	Visual Contamination Encou	ntered? (Y/)	
Resortant	S	AMP	LES	ementena kaldua			10 mm (10 mm) (10 mm)	
<b>⊕</b>	y (f)		. 7	-	MATERIAL DESC	RIPTION		
(ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS	WATERIAL DESCRIPTION			REMARKS
3 E	8	8	ගී රි		A.0	Conc cone co	heitan	free 915 Begin drilling 9:45 pic
		ville		Cone	0.0.5 Concrete		1 00 10	1.43 pre
	}	2			= 25. Class same SD	It, dark		
		100		l - E	91031 strong od	or stiff -	olda	prease odon
2_	4		X	CH		-	SB.	prease odos oil collected at 095 ot 3'2
•	5	2	1467	- 1			Fn	at 3'2
	1		(1899)		3.5-5.04. Silty Sad, yell dark brown, :	lowish brown,		-43-3-70 collected
4 -	1	0	Х	,	dark brown, :	some stownsy -	56	± 1000
-	1	0		SM	slight odn		1	a 1000 ·
- أرجا الماة			9.27	1 - F		7		
		Y T	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			•	0845 5	to pad drilling
6	1					ai .		
	}			l E				
_	}					1		
	1				· •		-	
8	1			1 1	<u>-</u>		}	
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1. 12 <u>1</u>	1							
10_	1					2	1	
1	1				<u>.</u>		1	
-	1			1	• ** <del>-</del>	1		
	1				_	9-	1	
12_	1			F	- P	_	1	
-	1				<u>.</u>	A	1	
-	1						1	
	1			1 - F			1	
14_	]					<u> </u>	1	
-							1	
8	-					-	-	
-	1			1570		-	-	
16	-	1		1 1	A		7	

	URS ring			Project N		Site - Stage 1 Investigation	SB- 44  Type: Perimeter Shallow Deep		
a name area			and the same	Project N	DATE AND RESERVED THE PROPERTY OF THE PARTY	41569671 Total Depth of	Type: Perimeter Shallow Deep  Depth to Water (ft bgs)		
Date(s) Orilled	3/	20 12	014	Logged Soci	URS Corporation	Borehole (ft) 5.6	Not Encountered		
rilling alethod		DPT		Diameter of Borehole (I	2.5	Building Location	Depth to Water and Elasped Time (ft bgs Not measured - no well installed		
Drill Rig Type	Geopro	be		Drilling Aipine Remediation		Abandonment Method Bendonfe	Ground Surface Elevation (ft mai) TBD		
Driller's Na	me	E	c	Sampler Type	·	Northing Visual Contamination Encou	TBD Easting		
Location/Co	mment			1.340	acetate sissves (macrocore)	Visital Commitments Linear	1100001		
CONTRACTOR OF THE PARTY.	S	AMPL	.ES						
				1 _					
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	ples	USCS Symbol	MATERIAL DESCR	RIPTION	REMARKS		
절품	Reco	) ald	Samples Collected	USC		Concorne co	Vector tie 910 0855 Begin drilling 9:59 pic		
			NA	Cone	- 0-0.5: Concrete		- 0855 Begin drilling 9:59 pic		
	1	0			- 15-110: Claurined, bro	un sovie -			
_	25				0.5-4,0: Clay, med. bro send + sult,	stift, no	SB -44-4.5 collected		
2	3.5	1 W		0"	odor		The state of the s		
] _		0	X	CH			1010		
_	1					1.2			
-	1	0	Х		- 0 0 1 4 5				
4_	-				- 5.0: Sad, durk b 4.5: Groystains, some rust-l	noun, some sitte			
- L	1	1	57.7	SW	4.5 : Groystam 31	mod. odor,			
3)	47.411	PART.	X	overentively a re-	sowie rust in	The stanting	- 0900 Stopped drilling		
	}			ļ		-			
6_	}					_			
-	1								
-				1 11					
8	1								
-						•			
-	1	77							
	1						laga (		
10	1								
1176	-								
	-					1	3		
12_	1								
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_	1								
_	1						1		
14_	1				_				
7	1						1		
-	1				-				
	1						1		

	URS				Name: Moline Street PC	Log of Boring	
В	orin	g Lo	g	Client: Project	Number:	SB- 45  Type: Perimeter Shallow Deep Step Out	
Date(s)				Project Number: 41569671			Depth to Water (ft bgs)
Drilled	_/	3/19		Ву	URS Corporation	Borehole (ft)	Not Encountered
rilling	Method			Diameter o Borehole (i	2.5	Building Location  D	Depth to Water and Elasped Time (ft bgs)  Not measured - no well installed
Drill Rig	Geo	probe		Drilling Company	Alpine Remediation	Abandonment Method Bentswitch	Ground Surface Elevation (ft msl) TBD
	Oriller's Name			Sampler Type		Northing	TBD Easting TBD
Location	n/Comme			1.344	acetate sleeves (Macrocore)	Visual Contamination Encou	intered ( 1/N)
	SAMPLES						
			LES				
<u>ا</u> ۾	Recovery (ft)	E s j		S _ O	MATERIAL DESC	RIPTION	REMARKS
Depth (ft-bgs)	, you	PID (ppm)	Samples Collected	USCS		A	
10 £		INA		Conc	D-0.5: Concrete	Concerne con	1305 Begin drilling; 120 1346
	-			Cont	A.S-25. Silly Sound - dark yello	ut lames, must	
	$\exists$	1			- 0.5-3.5: Silty said - dark yello loose Finger, some ouch gr, 5 gray strang, unglish	trong odor, stept -	
	3.5	-	13.5		- deal seconds, and and	- E)	
2	- 3	110	013	SM		The state of the s	
	-		5,21		E TOURS	- n - 1	
	7	. (			Para and a second	-	SB-45-4.5 rollested at
	7		12		25-55: Such filt - black	Acousting Marile	1355
4	-	2			- 3.5-5.5: Such silt - black - strong dor, low placeury, south	240010 112	
	-	12	48.5	ML			11340 styled drilling 11430 returne drilling pare 1346
	+	-		- Hardingwell	strong odor + strong		Pare 1346
11	4	3	3.63		•	land by a d make	prc@ 1510 # 5-81
6	3/3	1	13	SIL	- 5.5-6.7: Silly sand - dark yell for a med yr., poorly sorted in	n-plastic, notable -	}
	43				6.5-10.0: Such - Helport brown deure, mad gr, moderate to	" st. mont, molarly	
9			×	SP	- olentes med of, motionte to	sell sorted, ight abor-	
8	'	<b>-</b>	-8-		- decrowing of soc		
	-				- Bottom not received - 1	thely the fine _	
	35	NF	4		- sad fell out of suny	lur -	
100	ΔĪ		× **			_mercer :	
10	·	+	-		- , ,		1435 Stopped Lillary
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	URS	S		Project I	Name: Moline Street PCB	3 Site - Stage 1 Investigation		Log of Boring	
Bo	ring		~	Client:		TDCC		SB- 46	
	11119	LUE		Project I	Number:	41569671	Тур	e: Perimeter Shallow Deep Step Out	
Date(s)	3	1 19 /2	2014	Logged	Geoffrey Uhlemann	Total Depth of		Depth to Water (ft bgs)	
Drilled rilling	3 8 8	DPT		By Diameter o	URS Corporation	Borehole (ft) 16.0		Not Encountered	
Method		יוט		Borehole (i	2.5	Building Location D	De	opth to Water and Elasped Time (ft bgs)  Not measured - no well installed	
Drill Rig	Geopro	be	1 1	Drilling	Alpine Remediation Abandonment Method			Ground Surface Elevation (ft msl)	
Type Driller's Na	ame	<u>vo:</u>		Company Sampler		Northing	TBD	TBD TBD	
		瓦		Туре	acetate sleeves (Macrocore)	Visual Contamination Encoun			
Location/Co	Location/Comments					60	7		
	SAMPLES			1 -	1	Wagne .		C. 22 V	
		Alvie	-63	-	· · · · · · · · · · · · · · · · · · ·				
	ر ا تر (۱		الم م	5	MATERIAL DESCI	RIPTION			
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS		AIF BOIL		REMARKS	
를 포	Jec.	<u>6</u>	Sam	Sy	COME COME		collector fine 1315		
-	- NA NA			Covc	0-0.5: concrete	Com Con	1345	Begin drilling; pice 1413	
-	1		to me	-	05-15 cil 61-6116	more wet fine to			
71 IS	1	0		SM	-0.5-1.5: Silly Sad - fall by -v. correc gr., subound to subsoulth,	porty crited, Fount -			
1 2	1 2		3.07						
2	3.5		3.04		1.5-5.5; Suchy Charay Sill -	light to duck brown .	1 chye	some, truce sout, highly plated	
	5			CH	Lucy, wagesty to while bookers	, but a frehad g.	SHOP		
-	1	2	A 7	43	Esny some, which perting	or boun, light abor -	4		
-	1		×	MA	Eq.		1		
	1	2			EL				
4 -	-				dock grande brown, strend into	man, matures abor	1		
	1	1	a.Zii:		Thydy pictor	er e			
1/03/5	1 1	2	3.92	31 1		aciii jay na <del>'y</del>			
-	1		1		-1		911 of 5	-10°e 1432	
	1	4	×		<u> </u>		'		
6 -	12,				-5.5-655: Silty Soul: tonoghi -10010, Fre to vent gr., object	brown, v. most	}		
- T-	3/5	0		SM	- loose , ene go wory di l'out	) brisc' Bree , 604.	1		
=	] ]		×		-6.5-10.0 : Sand - tan, st.	المان مامند			
_	-		141		to well saled, no oder	the gray			
	1	٥	×	58	ficcount set de				
8_		_ [3]			- 0				
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	fe	act (	fine s	mh)			2011		
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	-			1 200		-	1355 She	good Arilliang	
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12_	1				<u>-</u>	_			
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16	1 1			Location was					

	URS	S		Project	Name: Moline Street PC	B Site - Stage 1 Investigation	Log of Boring
Bor		-	9	Client:	Number:	TDCC 41569671	SB- 47  Type: Perimeter Shallow (Deep) Step Ou
Date(s)		1		100	Tak Love Geoffrey Undermann	Total Depth of	Posth to Motor (fe bas)
rilled	3/	20 /2 DPT		By Diameter of	URS Corporation	Borehole (ft)	Not Encountered
dethod		- DF1		Borehole (	in <b>2.5</b>	Building Location	Depth to Water and Elasped Time (ft bgs)  Not measured - no well installed
Orill Rig Type	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method  Bendani + C	Ground Surface Elevation (ft msl) TBD
Driller's Na	me	EC		Sampler Type	acetate sieeves (Macrocore)	Northing Visual Contamination Enco	TBD Easting TBI untered?(************************************
Location/Co	mment	8		F 462			
INOCHERUASIS	S	AMP	LES	PORTE STREET	NAC TO BUT THE PARTY TO BE SON YOUR DOOR SHALL SEE	ELLER THE TAXABLE SERVICES	
	y (ft)	(	. 5	-	MATERIAL DESC	PIDTION	
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS	MATERIAL DESC		REMARKS
<u> </u>	Пес	Old	\$ 8	S S		con core	- Osto Begin drilling 8:58 pic
4			44	Conc	- 0.0.5: Concrete		-
4		8			0.5-4.0: Sady silt: dan Newy stampy, the grands	K blockscharay,	5B-47-2 collected at 0905
=	1 7		The same		- Mond Standard St	and mod .	
2_	3/	.,	437	ML	planticaty	-	Old grease small throughout
	3/5	4					1 throaghout
. 1			X		3,5'; Keddish-rust.	staining interval.	SB-47-3-5 collected at 0910 TCLP sample at 3-5'
, =	) 	9		- 11-2		V braum mak	TCLP sample at 3-5
	2		X	7	4.0-5.0: Sitty soil: dat	K 310001   N801	
7	Tr- II	0	15.2 FD 44	SM			1
- 111	d i				- Annual Control of the Control of t	***	9:16 pic
6 -		O			- Poor recovery, likely sim	throughout .	7
		4			- 6.0-9.0: Sand: yellowish bro	Aat	-
	2				Sand: by dor fire to	ned grained,	3
_	4	0	166	SW	poor o Sorted		-
8			X				5B-47-9 collected at 0915
_		0			- 13MH		
_			3.64	-			NS/NSO Etravolune rollected at q' obbe stoppeddilling
					- 1		ORZO Stoppaddilling
10_	W					e' 1 - 1	1
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7 <u>—</u>							Form 6
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16_			25	62.7	F		-

	URS			Project N	lame: Moline Street PCB	Site - Stage 1 Investigation		sa- 48	Log of Bo
Bor	ing	Log	7	Project !	lumber:	41569671	Туј	pe: Perimeter	Shallow Deep
Date(s)	3/	20 12	014	Logged Sa	and Lave Geoffrey Uhlemann	Total Depth of		Dep	th to Water (ft bgs)
orilled rilling		DPT		By Diameter of	URS Corporation	Borehole (ft) 5.0  Building Location	Г р		lot Encountered Elasped Time (ft bgs)
dethod				Borehole (i	2.5	Abandonment Method		Not measured	no well installed
Туре	Geopro	be	010 150001140	Drilling Company	Alpine Remediation	Bertonile		T States	Elevation (ft msi)
Driller's Na	me	E	2	Sampler Type		Northing Visual Contamination Encou	TBD	Easting ()	
Location/Co	mment								V
	S	AMPL	ES	of the Language of the Languag					
	y (#)		10		MATERIAL DESCI	PIRTION			
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol	MATERIAL DESCI				ARKS
2 =	Rec	DID	San	Syl		Conc con	colle	for fine	950
-			NA	Conc	0-0.5' : Concreto		0920	Begin drilling	1:21 pic
					<u> </u>				
	. <				- on the Scalar class	and brown -	1		
2_	25/50		8149	٠, ا	Slight group & 3,0', Some we shoughout	stainers at -	1		
	5.0	6		CL	Slight group of	dolab brown, -	-		
3			X		3,0, 8000		-		
-	è ,	0			- Thursday			*	
4			yl I	di un di	_		-		
			X		- 4.0 - 5.0; Sad, yelland date brown	ish brown !	7		
A POWER OF A P.	io neces	0	San and	sw	datebrow		7	- 4- 4-	
			X			-	0925	Stopped Arilling	3
6				P 0			7		
211						-			
							7		
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16 -				19-7	-		2		

	RS		Project ! Client:	Name: Moline Street PCE	Site - Stage 1 Investigation	Log of Borin
Borii	ng Lo	g	Project I	Number:	41569671	Type: Perimeter Shallow Deep Step C
Date(s)	3/20	2014	Logged 5		Total Depth of 5. 0	Depth to Water (ft bgs)
Orilled rilling	DP		By Diameter o	URS Corporation	Building Location	Depth to Water and Elasped Time (ft bgs)
Aethod Drill Rig			Borehole (I Drilling	n)	Abandonment Method	Not measured - no well installed  Ground Surface Elevation (ft mal)
Type Driller's Name	eoprobe		Company Sampler	Alpine Remediation	Berton He Northing	TBD Easting Till
	2	C	Туре	acetate sleeves (Macrocore)	Visual Contamination Encou	
Location/Com	nents					
CHESTA NAVANIAN	SAMP	LES			Selection Building Arts I	
Depth (ft-bgs)	Recovery (ft) PID (ppm)	Samples Collected	USCS	MATERIAL DESC	REMARKS	
8 🗧	<u>e</u> €	<u>8</u> 8	US Sy		lone cone a	10910 Begin drilling 10:10 pic
		NA	Core	0-0.5': Concrete		O910 Begin drilling 10:10 pic
2 1 1 1 1 1 1	2 2 2	too dave	SW	4.0-4.5: Clayer Sad,		
4-1	0		sc		56 5mm	<del>-</del>
7	6	X 3.56	5W	45.50 ; Sad , yellow	na orden	
6 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -						0915 Stopped drilling

U	JRS	3		Project N	lame: Moline Street PC	CB Site - Stage 1 Investigation	Log of	В
Bori	ing	Log	7	Client: Project N	lumber:	TDCC 41569671	SB- 50 Type: Perimeter Shallow Dee	h 8
Date(s)	- 0 TO V		at and the last		Geoffrey Libiemann	Total Depth of	Depth to Water (ft bgs	
rilled	3/	20 /2	2014	Ву	Laste URS Corporation	Borehole (ft) 0.0	Not Encountered	
rilling lethod		DPT		Diameter of Borehole (In	2.5	Building Location  D	Depth to Water and Elasped Time (ft Not measured - no well installed	.gs)
orili Rig Type	eopro	be		Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft msl) TBD	1
Oriller's Nam	ne	EC	,	Sampler Type	acetate sleeves (Macrocore)	Northing 7 Visual Contamination Encount	BD Easting	
Location/Com	nment	- 42			average sleeves (macrocols)	Violati Goldanii angli Eliocalia		
10785 Ф. А	S	AMPI	LES					
	_							
Depth (ft-bgs)	Recovery (ft)	(mdc	ples	USCS	MATERIAL DESC	CRIPTION	REMARKS	
Depth (ft-bgs	Beco	PID (ppm)	Samples Collected	USCS		Conc Cine	collectum to 1136	
				Core	0-0.5': Concerte	4	collection to 1136 0945 Begin drilling 12:06 pic	Yo.
3						3		
3		0			1.5'-3.5': Sutly sad,	dark yellow -		
2_	0.5		Х	SM	brown, most.	slight gray		
	50				- staning			
		1	Х				· A L L L	
					3,5'-50' Sady sitt,	dark gray,		
4_7	1	3	1180		_ strong alon	1		
Agen - 4	11.5	)						
W		Kung	524	WL				
							12:46 pix & 5-10 SB-50-5 collect	
6-			187		foor recovery assure	Some as obore	SB-50-5 collecti	d
4			100		+11 7.5	, moderate ada	1255	
=	2	2			-	- MARKET STREET	1000	
	215		X		7.5 -10 - Sad - willow	th brow, -	`	
, °=					gray stans	e at ~7.5'		
_		0		2M	No stancing be	low	X	
			X		- //0 31240-7	= = =		
10	160	_	1				· · · · · · · · · · · · · · · · · · ·	
3			100				0955 Stopped dilling	
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1				100		<u>-</u>		
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14_		0						
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		of Heli-		× .				
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	URS	s		Project !	Name: Moline Street F	PCB Site - Stage 1 Investigation	Log of Bori
Boi	ring	Log	,	Client: Project !	Number	TDCC 41569671	SB-5/ Type: Perimeter Shallow Deep Step
Date(s)				Logged S	Halle and the state of the stat	Total Booth of	Depth to Water (ft bgs)
Orilled	3.	-DPT-		Ву	Lave URS Corporation	Borehole (ft) 5.0	Not Encountered
	Hank	Augo		Diameter of Borehole (I	2.5	Building Location	Depth to Water and Elasped Time (ft bgs) Not measured - no well installed
		to myel		Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft mal) TBD
Driller's Na	me	DP		Sampler Type	HAL Augr	TBD Easting ntered? (Y/N)	
Location/Co	minent	8					
IMERCHIEN SCHOOL	S	AMPL	.ES	PO HOLDE HEAD			
	/ (ft)			_	MATERIAL DEG	COUNTION	
Depth (ft-bgs)	Recovery (ft)	PID (ppm)	Samples Collected	USCS Symbol	MATERIAL DES		REMARKS
2 =	Hec.	PID	San	Sy		con une c	1010 Begin drilling no picture
_					- Not ligged		1010 Begin drilling , no picture
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Bor	URS ing		,	Project N Client: Project N		3 Site - Stage 1 investigation TDCC 41569671	SB- 52 Type: Perimeter Shallow Deep Step C
Date(s) Orilled	3/	20/2	014	Logged S	שראל בשני Geoffrey Utilemann	Total Depth of Borehole (ft)	Depth to Water (ft bgs)  Not Encountered
rilling		DPT		Diameter of Borehole (in	2.5	Building Location	Depth to Water and Elasped Time (ft bgs) Not measured - no well installed
relii Die	Geopro	be		Drilling Company	Alpine Remediation	Abandonment Method	Ground Surface Elevation (ft mai) TBD
Oriller's Na		EC		Sampler Type	acetate sleeves (Macrocore)	Northing Visual Contamination Encour	TBD Easting Ti
ocation/Co				Seal Done		and the second	
Depth (ft-bgs)	Recovery (ft)	MPI (wdd) Q14	Samples (Collected	USCS Symbol	MATERIAL DESC	3.	REMARKS
<u> </u>	Œ	Q.	NA 124	Conc	1-0,5': Conate	LONG CANCE	Collection time 1235
2 4 1 6 1 1 8	9/22 m	0 0 0 0 0	X 15.1 16.1 16.1		0.5-4: Poor recorny; gravel, yellowing No starting  4-8: Soolog class, dark of  8-10: Sod, yellowing	Sant, some ish brown,	1314 pic of 5.10 SB-52-5 colloided at 1325
_		0		SW	- Stanony, no	-	
10		0	X				
12							1140 Stopped drilling

STAGE I SUMMARY TECH	INICAL MEMORANDUM
	Moline Street PCR Site

FIELD TEST KIT RESULTS

**MOLINE STAGE 1 FIELD LAB RESULTS** URS uration **Project Number** 1242 soul JI East Tufts Avenue 41569671 Denver, Colorado 80237 Dexsil Field Kit PCB Results | Confirmation Sample Sent Concrete (C) or Sampler Comments Odor to Lab? (Y/N) Initials Reading Soil (S) (ft - ft bgs) 3/ /14 3/7/14 2 1110 68.4 mV 16.4°C JM 3/17/14 1120 Callbration 3/7/14 1175 10-2" SB Brickalound JM NO NO 0-21 Soom 3/17/14 NO NO JM 3/7/14 6 1200 3/1-/14 1206 SB-Elizatione Check 0-2" 3/17/14 1220 TM NO OIA 3/17/14 1225 JM 10 3/17/14 IM 1300 5 SB-103 - 4.5 JM 3/17/14 Yes 1303 12 3/17/14 SB Elect. Check In 13 SB- CAL JM 3/17/14 3,76 ppm 14 SB- 01 -1 JM 3/17/14 1336 NO SB- Elect. Check 3/17/14 1400 TM SB- cat 16 3/ /14 1405 09 00m 3/17/14 1410 JM NO NO 5 JM SB- 03-1-5 3/17/14 1415 1.51 NO 18 NO 5 Jm SB- 04 -3/17/14 1420 NO 66 20°C 3/17/14 1425 20 JM 3.34 ppm 5 1430 1.0 JM 3/17/14 NO SB- 05-10 22 SB-ELECT, CLIPCK JM 150c 505 23 3/1-/14 Th 1.51 276 opm 24 3/1/14 510 JM NO NO 3/1/14 1515 3/17/14 2.44 00m 1520 1,5 26 JM NO TM 34-7/14 27 1520 51 28 SB- (94) - 1.5 347/14 TM NO 29 3/17/14 1600 3/1-/14 JM NO "SB-Boring Type and Sample Location Number-Sample Depth1-Sample Depth2": Boring type denotes whether it was from a perimeter (P), delineation (D), or step-out (SO) boring. For example, SB-D1-4.5-5.25. Additional General Notes:

(2)

/-	ation ast Tufts Avenue r, Colorado 80237		UF	2S	Project I 41569			MOLIN	E ST	AGE 1 FIELD LAB	RESULTS	1242
Sample	Sample ID	Concrete (C) or Soil (S)	Sampler Initials	Date	Time	Interval (ft - ft bgs)	Staining	PID Reading	Odor	Dexail Field Kit PCB Results (ppm)	Confirmation Sample Sent to Lab? (Y/N)	Comments
1	sa-cal		JM	3/7/14	1615				1, 1		toli – ji ž //	65my, 21°C
2	SB- 11=1.5	5	JM	3/ 7/14	1620	1.51	130		NO	25.1 ppm		
3	SB- 11-1.5FD	5	JA	3/7/14	1630	1.5	NO		NO	3.39 ppm		
4	SB Electrode ched		Th	3/17/14	1645							146.1mv, 21.2°C
5	sa- cal	1 0.11 18	JM	3/17/14	1647							65mv, 21°C
6	SB- 11-2,5	S	JM	3/17/14	1650	2.5'	NO	W-	NO	3.33 ppm		
7	SB- Cal		JM	3/1-44	1720	the mea						65my, 22°C
8	SB- 12-165	5	JM	3/1-/14	1725	1051	NO		NO	4.4500m		
9	SB- 13-1.0	5	JM	3/17/14	1730	11				4.22 ppm		
10	SB- 14-1.5	5	JM	3/17/14	1735	1.5'	NO.		NO	3.17 ppn		
11	SB- Elect. CheCK		JM	3/18/14	0840					LI		145,2 mv, 18,20
12	SB- CA1		JM	3/18/14	0930							
13	SB- 16-1.5	5	JM	3/14/14	0935	1.5	Yes	A.	NO	21.9ppm		
14	SB-21-1.0	5	JM	3/18/14	0490	1.0'	NO		NO	4.55 ppm		
15	SB-15 Concrete dust		JM	3/18/14	0945	0-31	NO		NO	21.0 ppm		
16	SB-15:3,5	N 1 1	JM.	3/18/14	0950	3,5	Yes		NO	2.77ppm		
17	SB- Cal		IM	3/18/14	1000							64 my 15°C.
18	SB- 1-8100	5	JM	3/8/14	1005	1.01	NO		NO	2.29 ppm	Sept. 250801	
19	SB-Elect check		JM	3/18/14	1030							64m 15°C
20	sa-cal-		JM	3/18/14	1035							64AN 15°C
21	SB- 32-1.5	5	JM	3/18/14	1040	1.5	Yes		YES	473ppm	eganin e va	
-0	sa-cal		JA	3/18/14	1055					Via well		64my 30C
23	SB-32-25	5	Jn	3/18/14	1100	2.5	NO		NO	4.18ppm	ANNO DIST	
	SB- Cal		IM	3/18/14	1130		11	44)			page page	63my, 14%
	SB- 20-1.5	S	JM	3/18/14	1135	1.5	NO	MI = III	NO	3.5700m		
26	SB- 36-100 10045 de		TM	3/15/14	1140	1.0	NO		NO	12.1 ppm	Terror T	DANSAN DECAMAS III
27	SB-27-1.0	3	JM.	3/18/14	1225	1.0	NO	180	NO	5.88 opm	The same of the	
28	SB- 17-4.5	5	IM	3/14/14	1230	4.5	Yes		NO	2,39 com		
29	SB- Electcheck		JM	3/18/14	1320							144,4 mv, 16,0°C
30	SB- CAL		JM	348/14	1325			1100	70. (8)			64 my, 16.00p
	SB- 17 -1.5	9	5m	3/19/14	1330					3.68 ppm		
Borin	g Type and Sample Location Number-S	Sample Depth1-Sa	mple Depth2":	Boring type denot	es whether it was i	rom a perimete	r (P), deline	ation (D), or	r step-out (	(SO) boring. For example, SB-D	1-4.5-5.25.	

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3181 Ea	orporation est Tufts Avenue Colorado 80237		U	25	Project I 41569			MOLINE	STA	AGE 1 FIELD LAB	RESULTS	1242
Sample	Sample ID	Concrete (C) or Soil (S)	Sampler Initials	Date	Time	Interval (ft - ft bgs)	Staining	PID Reading	Odor	Dexxil Field Kit PCB Results (ppm)	Confirmation Sample Sent to Lab? (Y/N)	Comments
1	SB- 27-1.5	5	JM	3/18/14	1330	1.51	NO		00	158 ppm		
2	SB- 34-1.5	5	JM	3/18/14	1335	1.5	NO		NO	2.65 ppm		
3	SB- 37-1.0	5	JM	3/18/14	1410	1001	NO	JE HA	NO	2.8900m		
4	SB- 38-1.0	5	JM	3/8/14	1415	1.01	YES	- Jing	NO	3,22 ppm		Ambercolor
5	SB- 39-10	5	JM	3/18/14	1420	1.0'	NO		NO	4,2800m		
6	SB- 31-4.5	S	JM	3/8/14	1455	4.5	10		465	8.3600m	moremeend	
7	SB- 31-1.5	S	JM	3/8/14	1500	451			NO	3,28 ppm		
8	SB- Cai		JM	3/18/14	1505			10.5				6476°C
9	SB- 26-1.5	5	JM	3/18/14	1525	1.5	NO		NO	1.76 ppm		
10	SB 26-300	5	JM	3/18/14	1530	3.0'	Yes	- 2 - 10	Yes	4.76 ppm		
11	SB- 76-4.5	5	JM	3/18/14	1545	4.51	Yes		Yes	6.19 ppm		
12	SB-19 concrete dust	5	JM	3/18/14	1615	0	NO	Y E	NO	1162ppm		
13	so 31-0 cal		JM	3/18/14	1620							64 my, 16°C
14	SB- 31-0	5	JM	3/18/14	1625	0	425		Yes	99.0ppm		
15	SB- 40-1-5	S	JM	3/18/14	1630	1-5	Yes		Yes	35630pm		sela = E nom = sel monic
16	SB- Electrole Check		In	3/8/14	1635					- 11		141.7mv, 16.5°C
17	sb- cal		JM	3/18/14	1637				- 5			65mV, 1600
18	SB- 19x2 concident	5	Jm	3/2/14	1640	0	NO		NO	828 ppin		The same of the sa
19	SB- 40:5	S	JM	3/13/14	1655	5	YES		Yes	Maleon		
20	SB- 40-43	S	JM	3/18/14	1700	31	Yes		Yes	354600m		
21	SB- 40-4	5	JM!	3/18/14	1705	4'	Yes		Yes	2017 pom		
22	SB- Elect. Check		JM	3/19/14	0730							68 my 17°C
23	sb- cat		JM!	3/19/14	0950				103			68 my 17°C
24	SB- 33-1.5	5	JM	3/9/14	0955	1.5	No	nd 3	NO	5.17 ppm	andi mana	
25	SB- Elect.Check		In	3/19/14	1030				01 (3)			142.7mv, 16,3°C
26	sa cat		JM	3/19/14	1039					Name of the state	A. I	63mv, 16°C
27	SB- 28-15	5	In	3/10/14	1040	1.5	res		NO	7.32 ppm	wante -	de la casa
28	SB- 40-5x2	5	5M	3/19/14	1045	51	Yes		YÓ	Tellenn		
29	SB- 35-1.5	5	JM	3/19/14	1050	1.51	NO		NO	2.47 pm		
30 5	SB- Elect Check	saile -	JA	3/9/14	1300	100000	e To	mñ.	e l'ass	10		146,5 mv, 19,38
	SB- Co-C Type and Sample Location Number-S		JM	3/9/14	1300				4			67 mv, 18°C

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181 Ea	rporation est Tufts Avenue Colorado 80237		UF	2S	Project 1 41569		MOLIN	E STA	1242			
Sample #	Sample ID	Concrete (C) or Soil (S)	Sampler Initials	Date	Time	Interval (ft - ft bgs)	Staining	PID Reading	Odor	Dexsil Field Kit PCB Results (ppm)	Confirmation Sample Sent to Lab? (Y/N)	Comments
1	SB- 41-1.5	5	JM	3/19/14	1310	1.51	No		No	4.910pm		
2	SB- 34-1,5	5	JM	3/ 19/14	1315	1.5'	NO		NO	14.6 ppm		
3	SB- Cal-	100	IM	3/19/14	1415					IP"		65my, 210C
4	SB-23 Congrete dis	5	JM	3/9 /14	1420	0	NO	11	NO	10,5 ppm		
5	sa 30 convendust	5	JA	3/9/14	1425	0	NO		VO	5,25 ppm		
6	SB-45-4.5	S	Ja	3/19/14	1430	4.5	Yes		YES	48.500m		
7	SB-45-1.5	8	In	3/19/14	1440	1051	Yes		Yes	13,500m		
8	SB- 45-3, 5	5	JM	3/9/14	1445	3.5'	Yes		45	12.06pm		
9	SB-45-2.5	5	JM	3/19/14	1500	25	NO		NO	5.210pm		
10	SB- 46-15	5	JM	3/19/14	1505	1.51	YES		46	3.07 ppm		
11	SB-29 concretadist	5	In	3/19/14	1520	0	NO	T314 8	NO	3.35 ppm		
12	sa. Cat	<	JM	3/19/14	1525							66my, 19°C
13	SB-46-4.5	5	JA	3/19/14	130	4.5	Yas		Yes	3.92 ppm		
14	\$25 concrete dust	5	JM	3/19/14	1535	0	NO		MO	1.88 ppm		
Kwalling Or	SB-23-3	5	JM	3/19/14	1611	31	YES		YPS	3.0100m		
16	SB- 25-5,5	S	JM	3/19/14	1615	5,5	Yes		Y45	3.3400m		
17	SB- 25-6.5	5	TM	3/19/14	1620	6.51	Yrs		Yes	3,1200m		
18	SB- 45- 5.5	S	JM	3/19/14	1625	5.51	Yes		Yes	3.03 ppm		
19	SB-Elect check	5	JM	3/9/14	1630				Medi	The state of the s		138 6mv 19.000
20	SB- Cat		JM	3/19/14	1640							65mv, 18°C
21	SB- 29-3	S	JM	3/19/14	1640	3'	Yes		Yes	12.8 ppm		
22	SB-45-625	5	JM	3/ 0 /14	1645	6,25	YES	5 m 3	Yes	13.0000		
23	SB- 30 - 3	5	JM	3/19/14	1650	31	Yes	E 25	Yes	30.60pm		
24	SB			3/ /14								Account of the latest and the latest
25	B. E et Check		MF	3D-014	0825		THE STATE OF					1482nV 155°C
26	B. Elect check		Th	3/2014	1000							141.9 mv, 15.90
27 5	SB- CAL		IM	300/14	1005	9		L		Distriction was exercised		62 mv, 15°C
	SB- 30-4	5	JA	3/20/14	1010	41	Yes	3 3	Yes	5,89 ppm		
	58-30 = 4 FD	5	JM	3/20/14	1015	41	Yes	1-315211	445	3,59 pm		
30 5	5B- 47-5	5	JM	3/20/14	1020	5	Yes!		Yes!	13,2 dom		
Dark Hall	18-47-5 X2	5	MŦ	3/30/14	1025	51	Yes		Yes	44.0 pm		
Boring	Type and Sample Location Number-Sa	ample Depth1-Sa	mple Depth2":	Boring type deno	tes whether It was	from a perimete	er (P), deline	ation (D), or	step-out (	SO) boring. For example, SB-D	01-4.5-5.25.	

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31 E	orporation ast Tufts Avenue r, Colorado 80237	U	15	Project Number 41569671		MOLINE STAGE 1 FIELD LAB RESULTS					(242		
mple	Sample ID	Concrete (C) or Soil (S)	Sampler Initials	Date	Time	interval (ft - ft bgs)	Staining	PID Reading	Odor	Dexsil Field Kit PCB Results (ppm)	Confirmation Sample Sent to Lab? (Y/N)	Comme	nts
1	SB- 24-15	5	MF	3/20/14	1026	1,5	Yes	G E	Yes	3.5100m			
2	SB- 42-3	5	MF	3/2014	1027	31	45		YES	7.78 bon			
3	SB- 49-3,5	5	ME	3/20/14					1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1		Unable Joce	modete foller	900 - tone
4	SB- 43-3	5	MT	37014	1055	31	Yes		Yes	1899 ppm			U
5	SB- 444.5	5	MF	3/20/14	1100	4.5	40	2 1 11	Yes	57.700m			HI H
6	SB- 48-2	5	MS	3/20/14	1105	21	45		Yes	8.49 Jon	Bajika a Majir B		AMILE S
7	sa cal		MF	3/20/14	1110							63mv.16	00
8	SB- 47-2	5	MF	3/20/14	1112	2'	Yes	FIEE	Yes	437 ppm			
9	SB- 49-4,5	5	MF	3/2014	1115	4.5	Yes		Yes	3.56 dom			
10	\$8-43-5	5	MF	320/14	1120	51	Ves	ii i s	Yes	9.27 ppm			
11	SB. Electicheck			3/2014			5	-118	- 0		HT E	144.6mV	17.200
12	SB- Col			35014	- 1181,	1	r EII		Fi.			62.6mV	19.50
13	SB50-4	S	MF	300/14	1230	4'	Yes	10100000	Yes	1180 ppm		ik garatalia	
14	SB- 57-1	S	mF	350/14	1254	L'	ct		"	9.10 ppm			
15	SB- 50-5	S	MF	3/2014	1558	5	U		4	524 ppm	Tomas Til	a modfin	11,000
16	SB Cal 4			30014	1350	1.0	0 = .					64 mV	17.0
17	SB- 50-5	2	MF	32014	1351	- 5		I 0 X		187 pm		2000	
183	SB. 5375 %	9	ME	30 014	1352	6				12.4 "	i i ba yardi e	TWA DEDCT	
19	SB- 52-6	5	mp	3/2/014	1350	6			U di	16.1 "			
20	SB- 52-7	0	mF	352014	1359	7				1600 "			
21	SB- 50-6 (2)	7	MF	3/20/14	1410	6				179 ppm		ell	
22	SB- Elect Check			3/ /14	1526							140 mV	21,3%
23	\$ 52-4	5	mF	3/ /14	15	4			i Liii	15.1 Ppm			
24	se Cail			3/ /14	1529				-73			62mv	19°C
25	SB			3/ /14									
26	SB. Cal		MF	32/14	1350							56.9mV	16.70
27	SB. 47-9	S	MF	3/2 /14	1354	cer				3.64 ppm			2 8 -
28	SB			3/ /14				Wile T					
29	S8			3/ /14									
30	SB •			3/ /14					7. Si		inger transfer		
31	SB			3/ /14	THE VALUE								



**TAILGATE SAFETY FORMS** 

#### Attachment F Tailgate Safety Meeting Record

# URS

### **Tailgate Safety Meeting Record**

		Project No.: 41569671 Employee No.: 696666	
Meeting Conducted By:			
Date: <u>@</u>	Time:	0730	
Safety Topics Discussed	d:		
ramal lift - always	bons down to growt love!	before maring. walk would	
1 = 1 to lock for Alebon	of the second	before maring; walk would	
cline Amon Sills	Carrie 1		
· Slips, tropo Falls			
Nature of Hazards:			
□ Mechanical/Electrical	Slips/Trips/Falls	☐ Chemical – Vapor	
☐ Fire/Explosion	☐ Excavations/Trenches	☐ Chemical – Ingestion	
☐ Work Near/Over Water	☐ Buried Hazards	☐ Chemical – Dermal	
□ Confined Space	© Overhead Hazards (calmy brakes) □ Site Emergencies		
☐ Heavy Equipment	☐ Heat/Cold Stress	□ Other:	
□ Noise	☐ Severe Weather ☐ Other:		
Ser Lifting	☐ Animals/Plants	□ Other:	
Print Name	Signature	Company Name	
Sillie Cill	SUNES.	faller (Messes	
Michael Hedron		Henry E. Legrases	
Geoffrey Uhlevan	Geffrey W	URS	
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	D/35040 22		

### **Tailgate Safety Meeting Form**

Date: 3/14/2014	Time: 0930	Job Number: 41569671	
Client: TDCC		2	
Site Location: 3555 Moline Stre	eet, Aurora, CO		
Task: Drilling Investigation -	Utility Locating	i e e e e e e e e e e e e e e e e e e e	
	SAFETY TOPICS PRESENT	ŢED	
Protective Clothing/Equipment:	Protective Clothing/Equipment: Level D (Hard hat, safety glasses, steel-toed boots, nitrile gloves)		
Chemical Hazards: Site contam	ination including PCBs and potent	tial for heavy range organics & metals	
Physical Hazards: Slips, Trips, a	and Falls; Pinch Points; traffic, we	eather	
Special Equipment: location	growt		
Other: drilling indoors—ventilation and lighting underground utilities, processor proc			
Emergency Procedures: Call 91	1		
Hospital: University of Colorado	Hospital, 720-848-0000		
Hospital Address and Route: 12 Peoria – see HASP	605 E 16th Ave, Aurora, CO 8004	45; Northeast corner of Colfax and	
	ATTENDEES	1	
	Signature:  1140  Paris	bay	
Meeting Conducted By:  Signature:  Seffry W			

#### Attachment F Tailgate Safety Meeting Record

# **URS**

### **Tailgate Safety Meeting Record**

Meeting Conducted By:	Sarch, Britan, GrotEmpl	ct No.: 4 569 67   ovee No.:
Date: 3-17-14	Time:	0815
Safety Topics Discussed	l:	
CTALs-	"Hospital route - Reporting	
- Concrete lang	- Reporting	
- Countelong	J	
lature of Hazards:		
Mechanical/Electrical	Slips/Trips/Falls	☐ Chemical – Vapor
Fire/Explosion	☐ Excavations/Trenches	☐ Chemical – Ingestion
Work Near/Over Water	Buried Hazards     ■    ■    Buried Hazards     ■    Buried Hazards	☐ Chemical – Dermal
Confined Space	☐ Overhead Hazards	☑ Site Emergencies
☐ Heavy Equipment	☐ Heat/Cold Stress	□ Other:
Noise	☐ Severe Weather	□ Other:
1/ Lifting	Animals/Plants Bur huzer	Other:
Print Name	Signature	Company Name
Scrah Live	Sat Save	URS
Perrick Perez	Th Th	Alpine Remediation.
Andy Steere	July ( Je	Alpin Remedication
Geoffry Unterna	Cuffing V	URS
Jennie McCormice		URS
Brothany Sendlers	Both	URS,
Edina P. Nasez O	Ep	Apin re redication
J		

e 1100

#### Attachment F Tailgate Safety Meeting Record

# URS

### **Tailgate Safety Meeting Record**

Date: 3-18-14	Sarch, Groff, Buttay Em	0800	
<b>3 18 1-1</b>	Time.	0800	
Safety Topics Discussed	d:		
- Dust, Keeping d	ous closed dury dust	stom	
- Lighting	3		
- Walkers award o - Cleature panel	bjots on floor		
- Gleatur panel			
Nature of Hazards:			
Tataro or riazardo.			
Mechanical/Electrical	Slips/Trips/Falls	☐ Chemical – Vapor	
□ Fire/Explosion	☐ Excavations/Trenches	☐ Chemical – Ingestion	
☐ Work Near/Over Water	☐ Buried Hazards	☐ Chemical – Dermal	
□ Confined Space	☐ Overhead Hazards	☐ Site Emergencies	
Heavy Equipment	☑ Heat/Cold Stress	☐ Other:	
Noise	☐ Severe Weather		
Lifting	☑ Animals/Plants	□ Other:	
Print Name	Signature "	Company Name	
Savah Lane	Sith	URS	
Derrick Perez	Phil	Algine Remediation	
Edgar Chavez	afta	Alpire venediation	
Britany Sandberg	Brange	URS	
Geoffrey Utlemonn	Carffey U	URI	
Jenne McCormick	1	URS	
and the second s			

#### Attachment F Tailgate Safety Meeting Record

# URS

### **Tailgate Safety Meeting Record**

Project: Smith and Mo	oline Pro	ject No.: 41569671	
Meeting Conducted By:	Such Button Em	ployee No.:	
Date: 3/19/14 Time: 1805			
Safety Topics Discussed			
n + + + h + t	t Alanda Ma	are the market	
- Gust actor   Ventral	on system, welling della	area, wearing respective,	
slips in areas where	water was used		
- Electrical panel	. 2		
- Hogh PC& in concrete	during starbit (e.g., SB-19)		
Nature of Hazards:			
□ Mechanical/Electrical	☐ Slips/Trips/Falls	☐ Chemical – Vapor	
□ Fire/Explosion	☐ Excavations/Trenches	☐ Chemical – Ingestion	
□ Work Near/Over Water	☐ Buried Hazards	☐ Chemical – Ingestion	
□ Confined Space	☐ Overhead Hazards	☐ Site Emergencies	
☐ Heavy Equipment	☐ Heat/Cold Stress	☐ Other:	
□ Noise	□ Severe Weather	□ Other:	
☐ Lifting	□ Animals/Plants	□ Other:	
Litting	- Alimais/Hams	□ Other.	
Print Name	Signature	Company Name	
Sarah Lave	al tool	URS	
Edgar Chavez	effe.	Alphe renediation	
Derrick Penez	I shift	Aspine Remodiation.	
Jenne McCormick	The state of the s	URS	
Brittomas Suited		of the kin	
Coeffren Johlesons	Geoffen like	UPS	
	717		

@ 0950

#### Attachment F Tailgate Safety Meeting Record

# **URS**

### **Tailgate Safety Meeting Record**

Project: Smith and M	oline Pro	ject No.: 41569671	
<b>Meeting Conducted By:</b>		ployee No.:	
Date: 3-20-1		6730	
Safety Topics Discusse	d:		
- Lifting - Rushing when f - Site deanup	entshory jab		
	***		
Nature of Hazards:			
☐ Mechanical/Electrical	Slips/Trips/Falls	☐ Chemical – Vapor	
□ Fire/Explosion	☐ Excavations/Trenches	☐ Chemical – Ingestion	
□ Work Near/Over Water	☐ Buried Hazards	☐ Chemical – Dermal	
□ Confined Space	□ Overhead Hazards	☐ Site Emergencies	
Heavy Equipment	☐ Heat/Cold Stress	□ Other:	
Noise	☐ Severe Weather	□ Other:	
Lifting	☐ Animals/Plants	□ Other:	
Print Name	Signature	Company Name	
Sarah Lave	Stolan	urs	
Jenne McConnick		= JURS	
Chavez (Mavez	Teles	Alpin Renediction	
Derrick Perez	130 11	Alpine Renediation	
Mayumi Fukushin	4 2 7 2 7	URS	

#### **Attachment F Tailgate Safety Meeting Record**

## URS

## **Tailgate Safety Meeting Record**

Project: Smith and Moline		Project No.: 41569671	
Meeting Conducted By:	Jennie Mayum En	nployee No.:	
Date: 3-21-14	Time:	0815	
Safety Topics Discussed			
caution lifting and ~ storage I tems Lots of diriving to	loading heavy/bulky sin the way day ~Important to no	s equipment stbe impatient	
Don't rush, take tim	ne to stop and plan		
Nature of Hazards:			
☐ Mechanical/Electrical	Slips/Trips/Falls	☑ Chemical – Vapor	
☐ Fire/Explosion	☐ Excavations/Trenches	☐ Chemical – Ingestion	
☐ Work Near/Over Water	□ Buried Hazards	○ Chemical – Dermal	
☐ Confined Space	□ Overhead Hazards	☐ Site Emergencies	
☐ Heavy Equipment	☐ Heat/Cold Stress	Other: Biological - Spiders	
□ Noise	☐ Severe Weather	□ Other:	
Lifting	☐ Animals/Plants	□ Other:	
Print Name	Signature	Company Name	
Jennie McCarmick	- A	UR5	
Mayan: Fukushin	a han	ues	
J			
	9		

**Project:** 

**Smith and Moline** 

### **Tailgate Safety Meeting Form**

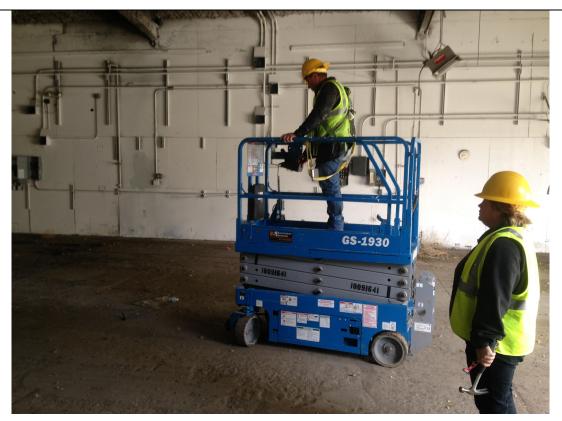
Date:	3/25/2014	Time: 0930	Job Number: 41569671	
Client: T	Client: TDCC			
Site Loc	Site Location: 3555 Moline Street, Aurora, CO			
Task: Di	Task: Drilling Investigation - Surveying			
		SAFETY TOPI	CS PRESENTED	
Protectiv	Protective Clothing/Equipment: Level D (Hard hat, safety glasses, steel-toed boots, nitrile gloves)			
Chemica	al Hazards: Site contar	nination including P	CBs and potential for heavy range organics & metals	
Physical	Hazards: Slips, Trips,	and Falls; Pinch Po	nts; traffic, weather	
Special 1	Equipment:			
undergro	Other: drilling indoors – ventilation and lighting underground utilities PCB concrete dust			
Emerger	Emergency Procedures: Call 911			
Hospital: University of Colorado Hospital, 720-848-0000				
Hospital Address and Route: 12605 E 16th Ave, Aurora, CO 80045; Northeast corner of Colfax and Peoria – see HASP				
		ATTI	NDEES	
KE Na Ra S	d Name:  VIN STETIN  C COMBS  In Maestas  arah Lane  M HECK	Scotter 194	Signature:  No. 1035  Kalan M Maysts @ 1035	
	Meeting Conducted By:  Signature:  Signature:			

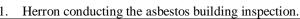
## STAGE I SUMMARY TECHNICAL MEMORANDUM Moline Street PCB Site

Attachment C Photographic Log



Wipe Sampling







2. Wipe sampling location B-F1-0 on the floor of Building B.



3. Wipe sampling location B-W1-2 on the wall of Building B.



4. Wipe sampling location B-C1-13.5 on the ceiling of Building B.



5. Wipe sampling location C-F1-0 on the floor of Building C.



6. Wipe sampling location C-W1-4 on the wall of Building C.